

CORNELL UNIVERSITY ANNOUNCEMENTS

MEDICINE

1960-1961

MEDICAL COLLEGE

CORNELL UNIVERSITY ANNOUNCEMENTS

These publications are designed to give prospective students and others information about Cornell University. The prospective student should have a copy of *General Information*; after consulting that, he may wish to write for one or more of the following Announcements:

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Undergraduate preparation in a recognized college or university is required for admission to the following Cornell divisions, for which Announcements are available: *Graduate School of Business and Public Administration, Law School, Medical College, Cornell University-New York Hospital School of Nursing, Graduate School of Nutrition, New York State Veterinary College, Graduate School.*

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CORNELL UNIVERSITY ANNOUNCEMENTS
EDMUND EZRA DAY HALL, ITHACA, NEW YORK



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1960

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CALENDAR

1960

June 20	Registration, instruction begins for fourth year, first division.
July 4	Independence Day—holiday.
Aug. 12	Second division begins for fourth year.
Sept. 5	Labor Day—holiday.
Sept. 8–9	Examinations for conditioned students.
Sept. 9 & 12	Registration for first, second, and third years.
Sept. 12	Opening exercises, 3:30 p.m.
Sept. 13	Instruction begins for first, second, and third years.
Oct. 5	Third division begins for fourth year.
Oct. 12	Columbus Day—holiday.
Nov. 8	Election Day—holiday.
Nov. 24	Thanksgiving Day—holiday.
Nov. 29	End of fall term for first and second years.
Nov. 30	Fourth division begins for fourth year.
Nov. 30–Dec. 3	Examinations for first and second years.
Dec. 1	End of fall term for third year.
Dec. 2	Beginning of winter term for third year.
Dec. 5	Beginning of winter term for first and second years.
Dec. 21	Instruction ends 1:00 p.m.; Christmas recess begins.
Dec. 26	Christmas Day—holiday.

1961

Jan. 2	New Year's Day—holiday.
Jan. 5	Christmas recess ends; instruction begins.
Feb. 4	Fifth division begins for fourth year.
Feb. 22	Washington's Birthday—holiday.
Mar. 4	Winter term ends, 1:00 p.m.
Mar. 5–12	Spring recess for third and fourth years.
Mar. 6–11	Examinations, first and second years.
Mar. 12–19	Spring recess for second year.
Mar. 13	Spring term begins for first and third years.
Mar. 20	Spring term begins for second year.
Apr. 6	Sixth division begins for fourth year.
Apr. 9–16	Spring recess for first year.
May 26	Instruction ends for third and fourth years.
May 27–June 2	Examinations for third and fourth years.
May 30	Memorial Day—holiday.
June 3	Instruction ends for first and second years.
June 5–7	Examinations for first and second years.
June 7	Commencement 3:00 p.m.

THE NEW YORK HOSPITAL— CORNELL MEDICAL CENTER

THE CENTER was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of the Society of the New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members. The Director of the New York Hospital–Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

JOSEPH C. HINSEY, *Director*,
The New York Hospital–Cornell Medical Center

FRANCIS KERNAN, *Chairman*
ARTHUR H. DEAN
STANTON GRIFFIS

HAMILTON HADLEY
DEANE W. MALOTT
FREDERICK K. TRASK, JR.

FREDERIC W. ECKER

FORM OF BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of “The New York Hospital–Cornell Medical Center.”

Gifts or bequests should be made to the College, to the Hospital, or to the Center.

If for the College, the language may be: “I give and bequeath to Cornell University the sum of \$. for use in connection with its Medical College in New York City.” If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

If for the Hospital, the language may be: “I give and bequeath to the Society of the New York Hospital, the sum of \$.”

If for the Center, the language may be: “I give and bequeath to The New York Hospital–Cornell Medical Center Foundation, Inc., the sum of \$.”

THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.

*New York
Hospital—
Cornell
Medical Center*



OFFICERS OF ADMINISTRATION

DEANE W. MALOTT, *President of the University*
JOHN E. DEITRICK, *Dean of the Medical College*
LAWRENCE W. HANLON, *Associate Dean*
EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*
BEATRICE B. BERLE, *Counselor to Foreign Students*
ANNA F. BURKE, *Librarian*

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JOHN E. DEITRICK	SAMUEL Z. LEVINE
OSKAR DIETHELM	E. HUGH LUCKEY
R. GORDON DOUGLAS	WALSH McDERMOTT
VINCENT DU VIGNEAUD	JAMES M. NEILL
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LAWRENCE W. HANLON	WALTER F. RIKER, JR.
JOSEPH C. HINSEY	ROY C. SWAN

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JAMES R. MCCARROLL	ALPHONSE E. TIMPANELLI

CURRICULUM

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JOHN M. BEAL	ELIZABETH D. HAY	WALTER MODELL
ERIC T. CARLSON	HAROLD HEMPLING	GEORGE G. READER
WILLIAM D. CASH	DONALD G. JOHNSON	LEONARD L. ROSS
HEINZ F. EICHENWALD	EDWIN D. KILBOURNE	JOHN Y. SUGG
	LAWRENCE W. HANLON, <i>ex officio</i>	
	JOHN E. DEITRICK, <i>ex officio</i>	

LIBRARY

ROGER L. GREIF, <i>Chairman</i>		
THOMAS P. ALMY	FRANK GLENN	JOHN MACLEOD
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ERIC T. CARLSON	VERONICA LYONS	
	ANNA F. BURKE, <i>Librarian</i>	

PRIZES IN RESEARCH

WALTER F. RIKER, JR., <i>Chairman</i>		
AARON KELLNER	ALBERT L. RUBIN	ROBERT F. WATSON

PROMOTION AND GRADUATION

JOHN E. DEITRICK, *Chairman*
Heads of departments, or their representatives, responsible for the more important courses of each year.

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JOHN T. ELLIS	JULIAN R. RACHELE
JOHN M. MCLEAN	WALTER F. RIKER, JR.
S. W. MOORE	

* The Dean is ex officio a member of all committees.

FACULTY*

DEANE W. MALOTT, *President of the University.*

EMERITUS PROFESSORS

DAVID P. BARR, M.D. [1916; 1957]	<i>Professor of Medicine</i>
McKEEN CATTELL, M.D. [1924; 1959]	<i>Professor of Pharmacology</i>
RUSSELL L. CECIL, M.D. [1910; 1950]	<i>Professor of Clinical Medicine</i>
LLOYD F. CRAVER, M.D. [1934; 1959]	<i>Professor of Clinical Medicine</i>
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	<i>Professor of Physiology</i>
CARY EGGLESTON, M.D. [1911; 1953]	<i>Professor of Clinical Medicine</i>
BYRON H. GOFF, M.D. [1934; 1955]	<i>Professor of Clinical Obstetrics and Gynecology</i>
CONNIE M. GUION, M.D. [1924; 1951]	<i>Professor of Clinical Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Professor of Clinical Obstetrics and Gynecology</i>
HELEN HARRINGTON, M.D. [1933; 1959]	<i>Professor of Clinical Pediatrics</i>
LOUIS HAUSMAN, M.D. [1923; 1959]	<i>Professor of Clinical Medicine (Neurology)</i>
ASA L. LINCOLN, M.D. [1921; 1959]	<i>Professor of Clinical Medicine</i>
WILLIAM F. MACFEE, M.D. [1936; 1958]	<i>Professor of Clinical Surgery</i>
CHARLES V. MORRILL, Ph.D. [1915; 1953]	<i>Professor of Anatomy</i>
CHARLES T. OLCOTT, M.D. [1926; 1958]	<i>Professor of Pathology</i>
EUGENE L. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
GEORGE PAPANICOLAOU, M.D. [1914; 1951]	<i>Professor of Clinical Anatomy</i>
WILSON G. SMILLIE, M.D. [1937; 1955]	<i>Professor of Public Health and Preventive Medicine</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Professor of Clinical Surgery (Urology)</i>
LEWIS D. STEVENSON, M.D. [1922; 1957]	<i>Professor of Clinical Medicine (Neurology)</i>
PHILIP M. STIMSON, M.D. [1919; 1956]	<i>Professor of Clinical Pediatrics</i>
MAY G. WILSON, M.D. [1918; 1959]	<i>Professor of Clinical Pediatrics</i>
PHILIP D. WILSON, M.D. [1951; 1955]	<i>Professor of Clinical Surgery (Orthopedics)</i>

PROFESSORS

THOMAS P. ALMY, *Professor of Medicine.* Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital; Director and Visiting Physician, Second Medical Division, Bellevue Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1957])

ARTHUR F. ANDERSON, *Professor of Clinical Pediatrics.* Associate Attending Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1960])

JOSEPH F. ARTUSIO, JR., *Professor of Anesthesiology in Surgery; Professor of Anesthesiology in Obstetrics and Gynecology.* Anesthesiologist-in-Chief, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1957])

LEONA BAUMGARTNER, *Professor of Public Health and Preventive Medicine; Associate Professor of Clinical Pediatrics.* Associate Attending Pediatrician, New York Hospital. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1958])

ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery.* Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])

JOSEPH H. BURCHENAL, *Professor of Medicine.* Attending Physician, Memorial Hospital. (M.D. 1937, Pennsylvania. [1949; 1952])

ANTHONY C. CIPOLLARO, *Professor of Clinical Medicine (Dermatology).* Assistant Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948; 1960])

* The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- HERBERT CONWAY, *Professor of Clinical Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital; Visiting Surgeon (Plastic Surgery). Bellevue Hospital. (M.B. 1928, B.S., M.D., 1929, M.S. 1932, Cincinnati. [1932; 1955])
- JOHN E. DEITRICK, *Dean; Professor of Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1929, Princeton; M.D. 1933, Johns Hopkins. [1935; 1957])
- EDWARD H. DENNEN, *Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1919, Tufts. [1933; 1958])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Statsexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- VINCENT du VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester; Sc.D. 1955, New York University, Yale. [1938])
- JOHN A. EVANS, *Professor of Radiology*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953])
- CLAUDE E. FORKNER, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, California; M.D. 1926, Harvard. [1938; 1953])
- RICHARD H. FREYBERG, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery. (A.B. 1926, M.D. 1930, M.S. 1934, Michigan. [1944; 1957])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- EDWIN T. HAUSER, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1916, C.C.N.Y.; M.D. 1922, Cornell. [1925; 1960])
- JOSEPH C. HINSEY, *Professor of Neuroanatomy*. Director, New York Hospital-Cornell Medical Center. (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University; Sc.D. 1951, Northwestern. [1936; 1956])
- CRANSTON W. HOLMAN, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Director, Second Surgical Division, Bellevue Hospital. (A.B. 1927, M.D. 1931, Stanford. [1932; 1958])
- FRANK L. HORSFALL, JR., *Professor of Medicine*. Director, Sloan-Kettering Institute, and Director, Sloan-Kettering Division of Cornell University Medical College. (B.A. 1927, University of Washington; M.D.C.M. 1932, McGill University. [1960])
- WILLIAM T. INGRAM, *Visiting Professor of Public Health Engineering*. (A.B. 1930, Stanford; M.P.H. 1942, Johns Hopkins. [1957])
- JOHN G. KIDD, *Professor of Pathology*, Pathologist-in-Chief, New York Hospital. (A.B. 1928, DUKE, M.D., 1932, Johns Hopkins, [1944])
- MILTON L. KRAMER, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1926, M.D. 1929, Columbia. [1935; 1960])
- ALEXANDER H. LEIGHTON, *Professor of Psychiatry (Social Psychiatry)*. Attending Psychiatrist, New York Hospital. (A.B. 1923, Princeton; M.A. 1934, Cambridge; M.D. 1936, Johns Hopkins. [1947; 1957])
- SAMUEL Z. LEVINE, *Professor of Pediatrics*. Pediatrician-in-Chief, New York Hospital. (A.B. 1916, C.C.N.Y.; M.D. 1920, Cornell. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital; Dermatologist, Memorial Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- E. HUGH LUCKEY, *Professor of Medicine*. Physician-in-Chief, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1940, Union; M.D. 1944, Vanderbilt; Sc.D. 1954, Union. [1949; 1957])
- VICTOR F. MARSHALL, *Professor of Clinical Surgery (Urology)*. Attending Surgeon in Charge of Urology, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (M.D. 1937, Virginia. [1938; 1957])
- WALSH McDERMOTT, *Livingston Farrand Professor of Public Health and Preventive Medicine*. Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1955])
- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology. New York Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])

- ADE T. MILHORAT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1924, Columbia; M.D. 1928, Cornell. [1933; 1956])
- S. W. MOORE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (B.S. 1926, Davidson; M.D. 1930, Harvard. [1932; 1956])
- CARL MUSCHENHEIM, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1928, M.D. 1931, Columbia. [1933; 1960])
- JOSEPH N. NATHANSON, *Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D.C.M. 1919, McGill. [1926; 1958])
- JAMES M. NEILL, *Professor of Microbiology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- JAMES J. NICKSON, *Professor of Radiology*, Chairman, Department of Radiation Therapy, Memorial Hospital. (B.S. 1936, Univ. of Washington; M.D. 1940, Johns Hopkins. [1949; 1951])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chairman, Department of Surgery, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med.Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Attending Physician and Chairman, Department of Medicine, Memorial Hospital; Visiting Physician, Bellevue Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- BRONSON S. RAY, *Professor of Clinical Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital; Consulting Neurosurgeon, New York Hospital, Westchester Division; Neurosurgeon, Memorial Hospital; Visiting Surgeon in Charge of Neurosurgical Service, Bellevue Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- GEORGE G. READER, *Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1940, M.D. 1943, Cornell. [1946; 1957])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- WALTER F. RIKER, JR., *Professor of Pharmacology*. (B.S. 1939, Columbia; M.D. 1943, Cornell. [1941; 1956])
- ROBERT S. SHERMAN, *Professor of Clinical Radiology*. Attending Roentgenologist, Memorial Hospital. (Ph.B. 1931, Brown; M.D. 1935, Harvard. [1947; 1958])
- CARL H. SMITH, *Professor of Clinical Pediatrics*. Attending Pediatrician, New York Hospital. (B.A. 1915, C.C.N.Y.; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1954])
- FRANK R. SMITH, *Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (A.B. 1917, Yale; M.D. 1921, Harvard. [1932; 1958])
- HAROLD J. STEWART, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1915, M.D. 1919, M.A. 1923, Johns Hopkins. [1932; 1957])
- ROY C. SWAN, *Professor of Anatomy*. (A.B. 1941, M.D. 1947, Cornell. [1948; 1959])
- HAROLD L. TEMPLE, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- T. CAMPBELL THOMPSON, *Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon-in-Charge (Orthopedics), New York Hospital; Surgeon-in-Chief (Orthopedics) and Director, Hospital for Special Surgery; Orthopedic Surgeon, Memorial Hospital. (A.B. 1924, Rollins; M.D. 1928, Johns Hopkins; M.Sc.D. 1936, Columbia. [1951; 1955])
- EDWARD TOLSTOI, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1919, Yale; M.D. 1923, Cornell. [1927; 1960])
- PRESTON A. WADE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1953])
- JAMES H. WALL, *Professor of Clinical Psychiatry*. Medical Director, New York Hospital, Westchester Division. (M.D. 1927, Jefferson. [1933; 1958])
- ROBERT F. WATSON, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (M.D. 1934, Virginia. [1946; 1960])
- HAROLD G. WOLFF, *Anne Parrish Titzell Professor of Medicine (Neurology); Associate Professor of Psychiatry*. Attending Physician, Attending Psychiatrist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital; Neurologist, Memorial Hospital. (B.S. 1918, C.C.N.Y.; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])
- IRVING S. WRIGHT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

ASSOCIATE PROFESSORS

- HORACE S. BALDWIN, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1917, Wesleyan; M.D. 1921, Cornell. [1923; 1947])
- THOMAS L. BALL, *Associate Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital (A.B. 1936, M.D. 1939, Cornell. [1948; 1958])
- WILLIAM A. BARNES, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1933, C.C.N.Y.; M.D. 1937, Cornell. [1938; 1946])
- JOHN M. BEAL, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (B.S. 1937, M.D. 1941, Chicago University. [1942; 1953])
- ROY W. BONSNES, *Associate Professor of Biochemistry; Associate Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, Connecticut; Ph.D. 1939, Yale. [1941; 1950])
- HARRY W. BURNETT, JR., *Associate Professor of Radiology*. Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern. [1948; 1953])
- GEORGE B. CHAPMAN, *Associate Professor of Anatomy*. (A.B. 1950, A.M. 1952, Ph.D. 1953, Princeton University. [1960])
- EUGENE E. CLIFFTON, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Assistant Attending Surgeon, Memorial Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (B.S. 1933, Lafayette College; M.D. 1937, Yale Medical School. [1938; 1955])
- JOHN R. COBB, *Associate Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1925, Brown; M.D. 1930, Yale; Med.Sc.D. 1936, Columbia. [1951; 1957])
- WILLIAM COOPER, *Associate Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (B.S. 1929, New York University; M.D. 1933, Long Island College of Medicine. [1951; 1959])
- WILLIAM A. COOPER, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])
- FRANK E. CORMIA, *Associate Professor of Clinical Medicine (Dermatology)*. Associate Attending Physician, New York Hospital. (B.S. 1926, M.D. 1930, Univ. of Vermont. [1947; 1956])
- NELSON W. CORNELL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1918, M.D. 1921, Cornell. [1925; 1942])
- MARGARET DANN, *Associate Professor of Pediatrics*. Attending Pediatrician, New York Hospital. (A.B. 1923, Oberlin; M.S. 1925, Illinois; Ph.D. 1932, Cornell; M.D. 1937, Yale. [1938; 1956])
- HAROLD W. K. DARGEON, *Associate Professor of Clinical Pediatrics*. Attending Pediatrician, Memorial Hospital. (M.D. 1922, Albany. [1947; 1951])
- MICHAEL R. DEDDISH, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1933, M.D. 1937, Ohio State University. [1942; 1955])
- PAUL F. DE GARA, *Associate Professor of Clinical Pediatrics (Allergy)*. Associate Attending Pediatrician, New York Hospital. (M.D. 1926, Heidelberg University; M.D. 1927, Padua University. [1941; 1957])
- HENRY D. DIAMOND, *Associate Professor of Clinical Medicine*. Attending Physician, Memorial Hospital. (A.B. 1941, M.D. 1944, Louisville. [1947; 1958])
- PETER DINEEN, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (M.D. 1947, Cornell. [1949; 1960])
- JOHN W. DRAPER, *Associate Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Visiting Surgeon in Charge of Urological Service, Bellevue Hospital. (A.B. 1927, Dartmouth; M.D. 1931, Cornell. [1932; 1949])
- EDWARD A. DUNLAP III, *Associate Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1932, Westminster; M.D. 1935, Western Reserve. [1945; 1960])
- HENRY S. DUNNING, *Associate Professor of Clinical Medicine (Neurology)*. Associate Attending Physician, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division. (A.B. 1927, M.D. 1930, Cornell. [1932; 1948])
- JOHN H. ECKEL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (B.S. 1929, New York University; M.D. 1933, Cornell. [1934; 1946])

- GEORGE F. EGAN, *Associate Professor of Clinical Surgery (Dental Surgery)*. Attending Dental Surgeon in Charge, New York Hospital. (D.M.D. 1931, Harvard. [1933; 1953])
- HEINZ F. EICHENWALD, *Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1946, Harvard; M.D. 1950, Cornell. [1951; 1958])
- JOHN T. ELLIS, *Associate Professor of Pathology; Associate Professor of Pathology in Surgery*. Associate Attending Pathologist, New York Hospital. (A.B. 1942, Univ. of Texas; M.D. 1945, Northwestern. [1948; 1957])
- MARY ALLEN ENGLE, *Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1942, Baylor; M.D. 1945, Johns Hopkins. [1948; 1959])
- RALPH L. ENGLE, JR., *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.S. 1942, Univ. of Florida; M.D. 1945, Johns Hopkins. [1949; 1957])
- JOSEPH H. FARROW, *Associate Professor of Clinical Surgery*. Attending Surgeon Memorial Hospital. (B.S. 1926, M.D. 1930, Virginia. [1950; 1960])
- AARON FEDER, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (M.D. 1938, Maryland. [1941; 1959])
- NATHANIEL FINBY, *Associate Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1938, M.D. 1942, Johns Hopkins. [1954; 1958])
- WILLIAM T. FOLEY, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1933, Columbia; M.D. 1937, Cornell. [1946; 1959])
- JOHN E. FRANKLIN, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital; Associate Attending Pediatrician, Memorial Hospital. (B.S. 1928, Notre Dame; M.D. 1932, Harvard. [1947; 1959])
- EDGAR L. FRAZELL, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1929, M.D. 1931, Texas. [1950; 1958])
- RALPH W. GAUSE, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1926, Texas; M.D. 1930, Harvard. [1935; 1954])
- RANDOLPH GEPFERT, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1929, Georgia. [1941; 1956])
- GERHARD GIEBISCH, *Associate Professor of Physiology*. (M.D. 1951, Univ. of Vienna. [1954; 1960])
- WILLIAM P. GIVEN, *Associate Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1941, Harvard; M.D. 1944, Cornell. [1946; 1960])
- OSCAR GLASSMAN, *Associate Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1923, Utah; M.D. 1925, New York University. [1932; 1958])
- HENRY P. GOLDBERG, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital; Associate Attending Pediatrician, Hospital for Special Surgery. (A.B. 1932, M.D. 1936, Johns Hopkins. [1946; 1960])
- ARTHUR V. GREELEY, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1925, Yale; M.D. 1929, Johns Hopkins. [1932; 1957])
- SIDNEY M. GREENBERG, *Associate Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1925, M.D. 1928, Cornell. [1934; 1959])
- ROGER L. GREIF, *Associate Professor of Physiology*. Assistant Attending Physician, New York Hospital. (B.S. 1937, Haverford; M.D. 1941, Johns Hopkins. [1953; 1955])
- FRANCIS J. HAMILTON, *Associate Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1928, St. Joseph's; M.D. 1933, Jefferson. [1940; 1958])
- LAWRENCE W. HANLON, *Associate Dean*. (A.B. 1935; M.D. 1938, Cornell. [1946; 1955])
- LEON D. HELLMAN, *Associate Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1941, Columbia; M.D. 1945, Long Island College; Med.Sc.D. 1951, Columbia. [1952; 1958])
- ULRICH K. HENSCKE, *Associate Professor of Clinical Radiology*. Associate Attending Radiation Therapist, Memorial Hospital. (Ph.D. 1937, M.D. 1939, Univ. of Berlin. [1956])
- LAWRENCE E. HINKLE, JR., *Associate Professor of Clinical Medicine; Associate Professor of Clinical Medicine in Psychiatry*. Assistant Attending Physician, New York Hospital. (A.B. 1938, North Carolina; M.D. 1942, Harvard. [1947; 1956])
- ELLIOT HOCHSTEIN, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1928, Columbia; M.D. 1932, New York University. [1952; 1956])

10 CORNELL MEDICAL COLLEGE

- GEORGE R. HOLSWADE, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1940, Brown University; M.D. 1943, Cornell. [1944; 1959])
- EDWARD W. HOOK, JR., *Associate Professor of Medicine*. (B.S. 1943, Wofford College; M.D. 1949, Emory University. [1959])
- MELVIN HORWITH, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1947, Union; M.D. 1951, Albany Medical College. [1953; 1959])
- WILLIAM S. HOWLAND, *Associate Professor of Anesthesiology in Surgery*. Attending Anesthesiologist and Chairman, Department of Anesthesiology, Memorial Hospital. (B.S. 1941, Notre Dame; M.D. 1944, Columbia. [1954])
- DONALD G. JOHNSON, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1957])
- EDMUND N. JOYNER, III, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.S. 1927, Virginia Military Institute; M.D. 1932, Cornell. [1934; 1949])
- DAVID A. KARNOFSKY, *Associate Professor of Medicine*. Attending Physician, Memorial Hospital. (A.B. 1934, California; A.M. 1936, M.D. 1940, Stanford. [1949; 1952])
- GEORGE L. KAUER, JR., *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1958])
- B. H. KEAN, *Associate Professor of Clinical Medicine (Tropical Medicine); Assistant Professor of Parasitology in Public Health and Preventive Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1933, Univ. of California (Berkeley); M.D. 1937, Columbia. [1952; 1956])
- S. FARRAR KELLEY, *Associate Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1921, Texas. [1926; 1954])
- AARON KELLNER, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1934, Yeshiva University; M.S. 1935, Columbia; M.D. 1939, University of Chicago. [1946; 1953])
- EDWIN D. KILBOURNE, *Associate Professor of Public Health and Preventive Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1942, M.D. 1944, Cornell. [1955])
- HEDWIG KOENIG, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1918, Barnard; M.A. 1920, Columbia; M.D. 1929, Johns Hopkins. [1935; 1959])
- RICHARD N. KOHL, *Associate Professor of Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1938, M.D. 1942, University of Cincinnati. [1945; 1959])
- BARBARA M. KORSCH, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1941, Smith; M.D. 1944, Johns Hopkins. [1947; 1957])
- ELMER E. KRAMER, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1935, M.D. 1938, Tulane. [1946; 1957])
- JOHN S. LADUE, *Associate Professor of Clinical Medicine*, Assistant Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital; (B.S. 1932, M.S. 1940, Ph.D. 1941, Minnesota; M.D. 1936, Harvard. [1948; 1957])
- ERNEST W. LAMPE, *Associate Professor of Clinical Surgery; Assistant Professor of Clinical Anatomy*. Associate Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (B.S. 1920, Minnesota; M.D. 1923, Rush Medical School. [1941; 1953])
- ROBERT LANDESMAN, *Associate Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Columbia; M.D. 1939, Cornell. [1949; 1958])
- DOROTHEA C. LEIGHTON, *Associate Professor of Clinical Psychiatry (Social Psychiatry)*. (A.B. 1930, Bryn Mawr; M.D. 1936, Johns Hopkins. [1957; 1958])
- MILTON I. LEVINE, *Associate Professor of Clinical Pediatrics*. Attending Pediatrician, New York Hospital. (B.S. 1923, C.C.N.Y.; M.D. 1927, Cornell. [1933; 1954])
- ALLYN B. LEY, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Memorial Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1939, Dartmouth; M.D. 1942, Columbia. [1947; 1955])
- FREDERICK L. LIEBOLT, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1925, LL.D. 1948, Arkansas; M.D. 1930, Washington University; Sc.D. 1937, Columbia. [1939; 1946])
- MARY H. LOVELESS, *Associate Professor of Clinical Medicine (Allergy)*. Assistant Attending Physician, New York Hospital. (A.B. 1921, M.D. 1925, Stanford. [1939; 1948])
- DANIEL S. LUKAS, *Associate Professor of Medicine*. Associate Attending Physician, New York

- Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1944, M.D. 1947, Columbia. [1948; 1957])
- JOHN MACLEOD, *Associate Professor of Anatomy*. (A.B. 1934, M.Sc. 1937, New York University; Ph.D. 1941, Cornell. [1941; 1949])
- BENJAMIN E. MARBURY, *Associate Professor of Anesthesiology in Clinical Surgery; Associate Professor of Anesthesiology in Clinical Obstetrics and Gynecology*. Attending Anesthesiologist, New York Hospital. (A.B. 1939, B.S. 1942, Missouri; M.S. 1941, Louisiana State; M.D. 1944, Washington University. [1948; 1957])
- CHARLES M. McLANE, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Assistant Attending Radiologist (Obstetrics and Gynecology), New York Hospital. (A.B. 1924, M.D. 1928, Johns Hopkins. [1932; 1949])
- ALLISTER M. McLELLAN, *Associate Professor of Clinical Surgery (Urology)*. Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (M.D. 1924, McGill. [1932; 1948])
- GORDON P. McNEER, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (M.D. 1931, Pennsylvania. [1950; 1960])
- CURTIS L. MENDELSON, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1934, Michigan; M.D. 1938, Cornell. [1938; 1957])
- WALTER MODELL, *Associate Professor of Pharmacology*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1928, College of the City of New York; M.D. 1932, Cornell. [1932; 1954])
- JAMES A. MOORE, *Associate Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon in Charge of Otolaryngology, New York Hospital. (B.S. 1930, Davidson College; M.D. 1934, Harvard. [1941; 1948])
- GEORGE E. MURPHY, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1939, Kansas; M.D. 1943, Pennsylvania. [1953; 1954])
- M. LOIS MURPHY, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, Memorial Hospital. (A.B. 1939, M.D. 1944, Nebraska. [1952; 1960])
- W. P. LAIRD MYERS, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Memorial Hospital. (B.S. 1943, Yale; M.D. 1945, Columbia; M.S. (Med.) 1952, Minnesota. [1953; 1959])
- WILLIAM F. NICKEL, JR., *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1930, M.D. 1934, Johns Hopkins. [1935; 1950])
- THEODORE W. OPPEL, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1926, M.A. 1927, Wisconsin; M.D. 1929, Pennsylvania. [1923; 1951])
- CHARLES H. O'REGAN, *Associate Professor of Clinical Pediatrics*. Attending Pediatrician, New York Hospital. (B.A. 1919, Univ. of St. Francis Xavier; M.D.C.M. 1928, McGill. [1944; 1957])
- GEORGE T. PACK, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.S. 1920, Ohio State; M.D. 1922, Yale. [1935; 1950])
- HERBERT PARSONS, *Associate Professor of Clinical Surgery (Neurosurgery)*. Associate Attending Surgeon (Neurosurgery), New York Hospital; Associate Neurosurgeon, Memorial Hospital; Visiting Surgeon, Bellevue Hospital. (A.B. 1931, Yale; M.D. 1935, Harvard. [1938; 1954])
- ROBERT L. PATTERSON, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1928, Georgia; M.D. 1932, Harvard. [1951])
- MARY ANN PAYNE, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1935, Hood; M.A. 1941, Ph.D. 1943, Wisconsin; M.D. 1945, Cornell. [1946; 1959])
- RALPH E. PETERSON, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (B.S. 1940, M.S. 1941, Kansas State; M.D. 1946, Columbia. [1958])
- RALPH F. PHILLIPS, *Associate Professor of Clinical Radiology*. Associate Attending Radiation Therapist, Memorial Hospital. (B.S.M.B. 1928, M.S. 1930, University of London; D.M.R.E. 1933, Royal College of England. [1950; 1951])
- JULIAN R. RACHELE, *Associate Professor of Biochemistry*. (B.A. 1934, M.S. 1935, Ph.D. 1939, New York University. [1940; 1948])
- GOETZ W. RICHTER, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1943, Williams; M.D. 1948, Johns Hopkins. [1948; 1958])
- SIDNEY ROTHBARD, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assisting Visiting Physician, Bellevue Hospital; Associate Attending Physician, Hospital for Special Surgery. (A.B. 1931, Colgate; M.D. 1935, Rochester. [1951])

12 CORNELL MEDICAL COLLEGE

- ALBERT L. RUBIN, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital; Visiting Physician, Bellevue Hospital. (M.D. 1950, Cornell. [1951; 1959])
- NELSON B. SACKETT, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1917, Princeton; M.D. 1923, Columbia. [1932; 1954])
- GEORGE SCHAEFER, *Associate Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1951; 1958])
- DONALD J. SIMONS, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1927, Brown; M.D. 1931, Harvard. [1939; 1948])
- MARVIN H. SLEISINGER, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (M.D. 1947, Harvard. [1951; 1957])
- J. JAMES SMITH, *Associate Professor of Clinical Medicine*. Visiting Physician, Bellevue Hospital. (A.B. 1934, St. Peters; M.D. 1938, Cornell. [1939; 1955])
- MARTIN SONENBERG, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1941, Pennsylvania; M.D. 1944, Ph.D. 1952, New York University. [1950; 1957])
- CHESTER M. SOUTHAM, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1941, M.S. 1943, Idaho; M.D. 1947, Columbia. [1951; 1958])
- ISRAEL STEINBERG, *Associate Professor of Clinical Radiology; Associate Professor of Clinical Medicine*. Assistant Attending Physician, Assistant Attending Radiologist (Angiocardiography), New York Hospital. (B.S. 1924, M.D. 1928, Harvard. [1940; 1960])
- LEE R. STRAUB, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D.C.M. 1940, McGill. [1951; 1955])
- JOHN Y. SUGG, *Associate Professor of Microbiology and Immunology*. (B.S. 1926, Ph.D. 1931, Vanderbilt. [1932; 1943])
- ARTHUR M. SUTHERLAND, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician (Psychiatry), Memorial Hospital. (A.B. 1932, Yale; M.D. 1936, Columbia. [1937; 1957])
- WILLIAM J. SWEENEY, *Associate Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1942, Maryville College; M.D. 1949, Cornell. [1950; 1960])
- DAVID D. THOMPSON, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1943, M.D. 1946, Cornell. [1947; 1957])
- ALPHONSE E. TIMPANELLI, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1938; 1953])
- DOUGLAS P. TORRE, *Associate Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital; Assistant Dermatologist, Memorial Hospital. (B.S. 1940, M.D. 1943, Tulane. [1950; 1960])
- JANET TRAVELL, *Associate Professor of Clinical Pharmacology*. (A.B. 1922, Wellesley; M.D. 1926, Cornell. [1930; 1947])
- F. STEPHEN VOGEL, *Associate Professor of Pathology; Associate Professor of Pathology in Surgery*. Associate Attending Pathologist, New York Hospital. (A.B. 1941, Villanova; M.D. 1944, Western Reserve. [1948; 1955])
- LEWIS C. WAGNER, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1916, Georgetown; M.D. 1920, Johns Hopkins. [1951])
- WILLIAM L. WATSON, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1922, M.D. 1925, Cornell. [1940; 1959])
- BRUCE P. WEBSTER, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D.C.M. 1925, McGill. [1932; 1947])
- LIVINGSTON WELCH, *Associate Professor of Psychology in Psychiatry*. (A.B. 1931, M.A. 1932, Ph.D. 1935, Columbia. [1947; 1952])
- JOHN P. WEST, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (B.S. 1927, Alabama Polytechnic Institute; M.D. 1932, Cornell. [1938; 1954])
- MARJORIE A. WHEATLEY, *Associate Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1959])

- CHARLES H. WHEELER, *Associate Professor of Clinical Medicine*. (B.S. 1931, Princeton; M.D. 1935, Cornell. [1936; 1953])
- WILLET F. WHITMORE, JR., *Associate Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Attending Surgeon, Memorial Hospital. (B.S. 1938, Rutgers; M.D. 1942, Cornell. [1943; 1953])
- BYARD WILLIAMS, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital. (A.B. 1926, Williams; M.D. 1930, Columbia. [1933; 1953])

ASSISTANT PROFESSORS

- IRVING ABRAHAMAS, *Assistant Professor of Microbiology and Immunology*. (B.S. 1934, College of the City of New York; Ph.D. 1952, Cornell. [1950; 1957])
- JOHN J. ADAIR, *Assistant Professor of Social Anthropology in Public Health and Preventive Medicine*. (Ph.B. 1937, Wisconsin; Ph.D. 1948, New Mexico. [1955])
- HAROLD B. ADAMS, *Assistant Professor of Clinical Pediatrics*. (B.S. 1917, Columbia; M.D. 1920, Cornell. [1934; 1944])
- KENNETH C. ARCHIBALD, *Assistant Professor of Medicine*. (B.S. 1950, St. Lawrence University; M.D. 1953, Cornell. [1958])
- THANE ASCH, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.S. 1951, Columbia; M.D. 1955, Cornell. [1958; 1960])
- BARBARA S. ASHE, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1947, Wellesley; M.D. 1951, New York University. [1951; 1959])
- SAM C. ATKINSON, *Assistant Professor of Clinical Medicine (Dermatology)*. (A.B. 1937, Mississippi; M.D. 1941, Tulane. [1950; 1960])
- D. ROBERT AXELROD, *Assistant Professor of Physiology*. (M.D. 1948, New York University. [1950; 1956])
- IRVIN BALENSWEIG, *Assistant Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (B.S. 1915, C.C.N.Y.; M.D. 1918, Cornell. [1948; 1953])
- JEREMIAH A. BARONDESS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (M.D. 1949, Johns Hopkins. [1953; 1959])
- CURTIS H. BAYLOR, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1929, Emory and Henry College; M.D. 1935, Johns Hopkins. [1954; 1955])
- DAVID V. BECKER, *Assistant Professor of Medicine; Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1943, M.A. 1944, Columbia; M.D. 1948, New York University. [1954; 1960])
- E. LOVELL BECKER, *Assistant Professor of Medicine*. Assistant Visiting Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.A. 1944, Washington & Lee; M.D. 1948, Cincinnati. [1957])
- STANLEY J. BEHRMAN, *Assistant Professor of Clinical Surgery (Dental Surgery)*. Associate Attending Dental Surgeon, New York Hospital. (A.B. 1942, New York University; D.D.S. 1945, University of Pittsburgh. [1948; 1953])
- ANNE M. BELCHER, *Assistant Professor of Clinical Surgery (Otolaryngology)*. Associate Attending Surgeon (Otolaryngology), New York Hospital. (A.B. 1917, M.D. 1920, Cornell. [1942; 1956])
- J. WELDON BELLVILLE, *Assistant Professor of Anesthesiology in Surgery*. Assistant Attending Anesthesiologist, Memorial Hospital. (A.B. 1948, M.D. 1952, Cornell. [1953; 1959])
- FRANCIS A. BENEVENTI, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (M.D. 1930, Long Island College of Medicine. [1949; 1958])
- RICHARD S. BENUA, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1943, Western Reserve; M.D. 1946, Johns Hopkins; M.S. 1952, Minnesota. [1956])
- SAMUEL R. BERENBERG, *Assistant Professor of Clinical Public Health and Preventive Medicine; Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1931, Amherst; M.D. 1935, Vermont. [1947; 1951])
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- ROBERT J. BOOHER, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1934, M.D. 1938, Creighton University. [1954; 1956])
- C. PAUL BOYAN, *Assistant Professor of Anesthesiology in Clinical Surgery*. Associate Attending Anesthesiologist, Memorial Hospital. (M.D. 1941, State University, Sofia; D.D.S. 1947, University of Graz, Austria. [1954; 1957])
- PAUL W. BRAUNSTEIN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1956, Holy Cross; M.D. 1947, Harvard. [1948; 1957])
- CHARLES W. BREIMER, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, New York Hospital; Associate Director of Roentgenology and Attending Roentgenologist, Hospital for Special Surgery. (A.B. 1931, M.D. 1935, Columbia. [1956])
- KEEVE BRODMAN, *Assistant Professor of Clinical Medicine*. (B.S. 1927, C.C.N.Y.; M.D. 1931, Cornell. [1938; 1950])
- EUGENE BRONSTEIN, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, Memorial Hospital. (M.D. 1948, Maryland. [1957; 1960])
- MYRON I. BUCHMAN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1943, Lehigh; M.D. 1946, Johns Hopkins. [1950; 1958])
- CRAIG D. BURRELL, *Assistant Professor of Medicine in Psychiatry; Assistant Professor of Medicine*. (M.B., Ch.B. 1951, Otago University, New Zealand. [1960])
- CHARLES L. BURSTEIN, *Assistant Professor of Anesthesiology in Clinical Surgery*. Director of Anesthesiology, Hospital for Special Surgery. (B.S. 1928, New York University; M.D. 1934, Univ. of Paris. [1955])
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- ERIC T. CARLSON, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1944, Wesleyan; M.D. 1950, Cornell. [1952; 1958])
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- WILLIAM D. CASH, *Assistant Professor of Biochemistry*. (B.S. 1951, Ph.D. 1954, North Carolina. [1954; 1958])
- AARON D. CHAVES, *Assistant Professor of Clinical Public Health and Preventive Medicine; Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1931, William and Mary; M.D. 1935, New York University. [1946; 1951])
- FLORENCE CHIEN-HWA CHU, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiation Therapist, Memorial Hospital. (M.D. 1942, National Medical College of Shanghai. [1956])
- WILLIAM N. CHRISTENSON, *Assistant Professor of Medicine*. (B.S. 1949, North Carolina; M.D. 1948, Johns Hopkins [1953; 1959])
- KUO YORK CHYNN, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (M.S. 1954, St. Louis University; M.D. 1949, National Tung Chi University. [1958])
- ROY CLEELAND, JR., *Assistant Professor of Microbiology and Immunology*. (B.A. 1954, Pennsylvania; M.A. 1957, Ph.D. 1958, Iowa. [1958; 1960])
- EUGENE J. COHEN, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.A. 1933, M.S. 1934, Wisconsin; M.D. 1938, Cornell. [1940; 1952])
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- GEORGE N. CORNELL, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1950, Cornell. [1951; 1958])
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- ROBERT O. DuBOIS, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1915, M.D. 1919, Columbia. [1923; 1940])
- HOWARD S. DUNBAR, *Assistant Professor of Clinical Surgery (Neurosurgery)*. Assistant Attending Surgeon (Neurosurgery), New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1941, M.D. 1944, Cornell. [1949; 1953])
- MURRAY DWORETZKY, *Assistant Professor of Clinical Medicine; Assistant Professor of Clinical Public Health and Preventive Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1938, Pennsylvania; M.D. 1942, Long Island College of Medicine; M.S. 1950, Minnesota. [1951; 1956])
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- ROSE-RUTH ELLISON, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.A. 1943, Barnard; M.D. 1948, Columbia. [1952; 1957])
- NATHAN EPSTEIN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1922, M.I.T.; Ph.D. 1928, Columbia; M.D. 1934, Munich. [1946; 1952])
- ALBERT J. ERDMANN, JR., *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1933, Yale; M.D. 1937, Harvard. [1940; 1953])
- MARION E. ERLANDSON, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1946, Oberlin College; M.D. 1950, Western Reserve. [1955; 1958])
- GEORGE C. ESCHER, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1933, Columbia; M.D. 1937, Long Island College of Medicine. [1952; 1959])
- HOLLON W. FARR, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Assistant Attending Surgeon, Memorial Hospital. (B.S. 1939, Yale; M.D. 1942, Harvard. [1952; 1953])
- JOHN T. FARRAR, *Assistant Professor of Clinical Medicine*. (A.B. 1942, Princeton; M.D. 1945, Washington Univ. School of Medicine. [1956])
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- JOHN A. FINKBEINER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1939, Pittsburgh; M.D. 1942, Western Reserve. [1955; 1956])
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- ROBERT H. FREIBERGER, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, New York Hospital; Directing Roentgenologist, Hospital for Special Surgery. (M.D. 1949, Tufts. [1956])
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- CONSTANCE FRIESS, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, Cornell. [1933; 1944])
- WILLIAM GELLER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1943, M.D. 1946, Boston University. [1956; 1957])
- HAROLD GENVERT, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (D.D.S. 1932, Pennsylvania; M.D. 1936, Yale. [1937; 1950])
- WILLIAM A. GEOHEGAN, *Assistant Professor of Clinical Anatomy*. (E. E. 1929, M.D. 1941, Cornell. [1941; 1944])
- MARVIN J. GERSH, *Assistant Professor of Clinical Pediatrics*. (B.A. 1941, Alfred University; M.D. 1945, New York University. [1951; 1960])
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- ELSIE A. GIORGI, *Assistant Professor of Clinical Medicine*. (A.B. 1931, Hunter; M.D. 1949, Columbia. [1952; 1958])
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- EDWARD I. GOLDSMITH, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1947, M.D. 1950, Cornell. [1958; 1960])
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- DAN M. GORDON, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1929, M.D. 1932, Michigan. [1945; 1948])
- SIGMUND N. GROCH, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1948, Columbia; M.D. 1949, Tufts, M.S. (Med.) 1956, Minnesota. [1957; 1959])
- AUGUST H. GROESCHEL, *Assistant Professor of Public Health and Preventive Medicine*. Associate Director, New York Hospital. (A.B. 1927, Holy Cross College; M.D. 1931, M.S. 1947, Columbia University. [1952; 1954])
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- MORDECAI HALPERN, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.S. 1940, Michigan; M.D. 1943, Cornell. [1960])
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- JAMES M. HOLMAN, *Assistant Professor of Clinical Surgery (Otolaryngology)*. Assistant Attending Surgeon (Otolaryngology), New York Hospital. (B.S. 1936, South Carolina; M.D. 1940, Medical College of South Carolina. [1946; 1955])
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- GUSTAVUS A. HUMPHREYS, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946])
- FREDERICK C. HUNT, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1924, Western Ontario. [1932; 1940])
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- D. REES JENSEN, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (M.D. 1925, Columbia. [1928; 1949])
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- EDWARD B. C. KEEFER, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1939, M.D.C.M., 1943, McGill. [1946; 1955])
- LEMOYNE C. KELLY, *Assistant Professor of Clinical Medicine*. (A.B. 1924, University of Rochester; M.D. 1929, Cornell. [1935; 1953])
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- HERBERT KOTEEN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1935, Wisconsin; M.D. 1939, Johns Hopkins. [1943; 1953])
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- MICHAEL LAKE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1919, M.D. 1922, Cornell. [1926; 1953])
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- JAMES F. MASTERSON, JR., *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (M.D. 1951, Jefferson Medical College. [1953; 1959])
- KLAUS MAYER, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1945, Queens College; M.D. 1950, University of Zurich and Groningen. [1958; 1960])
- VICTOR MAYER, *Assistant Professor of Clinical Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1934, Lehigh; M.D. 1938, Jefferson Medical College. [1955; 1958])
- ABRAHAM MAZUR, *Assistant Professor of Biochemistry in Medicine*. (B.S. 1932, C.C.N.Y.; M.A. 1934, Ph.D. 1938, Columbia. [1941; 1949])
- VALENTINO D. B. MAZZIA, *Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology; Assistant Professor of Anesthesiology in Clinical Surgery*. Associate Attending Anesthesiologist, New York Hospital. (B.S. 1943, C.C.N.Y.; M.D. 1950, New York University. [1954; 1958])
- JAMES R. MCCARROLL, *Assistant Professor of Public Health and Preventive Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1942, Colby College; M.D. 1946, Cornell. [1954; 1955])
- A. PARKS MCCOMBS, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1925, Connecticut College; M.D. 1929, Cornell. [1930; 1956])
- RICHARD R. MCCORMACK, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1937, Columbia; M.D. 1941, Cornell. [1946; 1953])
- ROBERT M. McCUNE, JR., *Assistant Professor of Public Health and Preventive Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1946, West Virginia; M.D. 1948, Johns Hopkins. [1951; 1955])
- ELLEN McDEVITT, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1930, Mississippi State; M.D. 1949, Utah. [1953; 1957])
- FLETCHER H. McDOWELL, *Assistant Professor of Medicine (Neurology)*. Visiting Neurologist in Charge, Bellevue Hospital; Associate Neurologist, Memorial Hospital. (A.B. 1944, Dartmouth; M.D. 1947, Cornell. [1952; 1956])
- JOHN H. MCGOVERN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (B.S. 1947, Columbia; M.D. 1952, State University College of Medicine, New York City. [1954; 1959])
- ROBERT G. MCGOVERN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1944, New York University; M.D. 1947, Columbia. [1951; 1959])
- FRANK J. MCGOWAN, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1919, M.D. 1921, Columbia. [1932; 1950])
- MARION McILVEEN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital; Assistant Attending Pediatrician, Hospital for Special Surgery. (A.B. 1933, Smith; M.D. 1938, Woman's Medical College. [1943; 1958])
- FREDERICK C. McLELLAN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
- ROBERT H. MELCHIONNA, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1929, St. John's University; M.D. 1935, St. Louis University. [1939; 1953])
- DANIEL G. MILLER, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1945, Colgate; M.D. 1948, University of Buffalo. [1957; 1960])
- LAURENCE MISCALL, *Assistant Professor of Clinical Surgery*. Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- JOAN E. MORGENTHAU, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1945, Vassar; M.D. 1949, Columbia. [1954; 1958])
- ZUHEIR MUJAHED, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.A. 1942, M.D. 1947, American University, Beirut, [1955; 1957])
- JAMES A. NICHOLAS, *Assistant Professor of Clinical Surgery (Orthopedics)*. Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery; Associate Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1942, New York University; M.D. 1945, Long Island College of Medicine. [1958])
- IRWIN NYDICK, *Assistant Professor of Clinical Medicine*. (B.A. 1945, M.D. 1948, Columbia. [1953; 1960])
- WILLIAM M. O'LEARY, *Assistant Professor of Microbiology and Immunology*. (B.S. 1952, M.S. 1953, Ph.D. 1957, University of Pittsburgh. [1959])

- PHILIP OLLSTEIN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. (M.D. 1927, Long Island College of Medicine. [1944; 1950])
- NORMAN PLUMMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1922, California; M.D. 1926, Cornell. [1928; 1941])
- NATHAN POKER, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1942, Brooklyn College; M.D. 1950, Columbia. [1953; 1956])
- JOHN L. POOL, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- J. WILLIAM POPPELL, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1942, Texas College of Mines; M.B. 1946, M.D. 1947, Northwestern University. [1952; 1956])
- R. A. REES PRITCHETT, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1944, Houghton College; M.D. 1948, Cornell. [1952; 1959])
- CURTIS T. PROUT, *Assistant Professor of Clinical Psychiatry*. Assistant Medical Director and Clinical Director, New York Hospital, Westchester Division. (A.B. 1921, M.D. 1924, Cornell; M.S. 1930, Michigan. [1948; 1951])
- LEON L. RACKOW, *Assistant Professor of Clinical Psychiatry*. (B.S. 1932, Pennsylvania State; M.D. 1936, University of Edinburgh. [1950; 1956])
- S. FRANK REDO, *Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1942, Queens College; M.D. 1950, Cornell. [1956; 1958])
- JOSEPH F. REILLY, *Assistant Professor of Pharmacology; Assistant Professor of Pharmacology in Psychiatry*. (A.B. 1937, University of Illinois; M.A. 1939, Harvard; Ph.D. 1947, University of Chicago. [1948; 1953])
- ERIC C. RICHARDSON, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1921, M.D. 1924, McGill. [1938; 1955])
- EDGAR A. RILEY, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1944, Columbia. [1952; 1954])
- PETER C. RIZZO, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1926, New York University. [1951])
- GUY F. ROBBINS, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, Memorial Hospital. (B.S. 1933, B.M. 1936, M.D. 1937, Northwestern. [1950; 1958])
- WILLIAM C. ROBBINS, *Assistant Professor of Clinical Medicine*. (A.B. 1942, Columbia; M.D. 1945, Cornell. [1948; 1960])
- JAY ROBERTS, *Assistant Professor of Pharmacology*. (B.S. 1949, Long Island University; Ph.D. 1953, Cornell. [1953; 1956])
- THOMAS N. ROBERTS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1946, South Dakota; M.D. 1948, Harvard. [1949; 1956])
- FRED V. ROCKWELL, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1931, M.D. 1936, Rochester. [1939; 1946])
- DAVID M. ROSEMAN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1947, M.D. 1951, Johns Hopkins. [1952; 1959])
- LEONARD ROSS, *Assistant Professor of Anatomy*. (A.B. 1946, M.S. 1949, Ph.D. 1954, New York University. [1957])
- RICHARD A. RUSKIN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1940, M.D. 1943, Duke. [1952; 1958])
- NIRMAL K. SARKAR, *Assistant Professor of Surgery (Biochemistry)*. (B.S. 1938, M.S. 1940, D.S. 1948, University of Calcutta. [1960])
- JOHN G. SCHMIDT, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon, New York Hospital. (A.B. 1925, Williams; M.D. 1930, Harvard. [1939; 1946])
- ROBERT I. SCHRIER, *Assistant Professor of Clinical Surgery*. Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1947, Indiana; M.B. 1952, M.D. 1953, Chicago Medical School. [1953; 1960])
- MELVIN S. SCHWARTZ, *Assistant Professor of Biometrics in Public Health and Preventive Medicine*. (A.B. 1944, M.D. 1949, New York University. [1960])
- OLGA SCHWEIZER, *Assistant Professor of Anesthesiology in Surgery*. Attending Anesthesiologist, Memorial Hospital. (A.B. 1932, Barnard; M.D. 1937, Columbia. [1954])
- SAMUEL SEAL, *Assistant Professor of Clinical Radiology*. (B.S. 1939, M.D. 1942, University of Chicago. [1956; 1960])
- HENRY M. SELBY, *Assistant Professor of Clinical Radiology*. Assistant Attending Roentgenologist, Memorial Hospital. (B.S. 1940, M.D. 1943, Louisiana State. [1951; 1957])

- JOHN F. SEYBOLT, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. (B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1955])
- DONALD M. SHAFER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1958])
- CHARLES SHEARD, *Assistant Professor of Clinical Medicine (Dermatology)*. (M.D. 1939, University of Toronto; F.R.C.P. 1949, Royal College of Physicians (Canada). [1951; 1960])
- ALBERT C. SHERWIN, *Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1942, M.D. 1947, Columbia. [1950; 1956])
- MADOKA SHIBUYA, *Assistant Professor of Clinical Pediatrics*. (B.A. 1938, M.S. 1939, M.D. 1948, Stanford. [1953; 1960])
- HENRY R. SHINEFIELD, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1944, M.D. 1948, Columbia. [1959; 1960])
- E. FLETCHER SMITH, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1924, M.D. 1928, Texas. [1934; 1954])
- MARTHA L. SMITH, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1937, Swarthmore; M.D. 1942, Buffalo; M.P.H. 1949, Johns Hopkins. [1945; 1958])
- CHARLES T. SNYDER, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1921, New York University. [1927; 1954])
- STUART S. SNYDER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.Sc. 1941, York College; M.D. 1944, Nebraska. [1947; 1951])
- NORTON SPRITZ, *Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. (A.B. 1948, M.D. 1952, Johns Hopkins. [1956; 1960])
- FRANK G. STANDART, *Assistant Professor of Pharmacology*. (A.B. 1951, Harvard; M.D. 1955, Cornell. [1956; 1960])
- MAUS J. STEARNS, JR., *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1935, Union; M.D. 1939, Albany. [1950; 1955])
- HERMAN STEINBERG, *Assistant Professor of Clinical Medicine*. (A.B. 1941, Columbia; M.D. 1945, Albany Medical School. [1952; 1960])
- GERTRUDE S. STERN, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1945, Brooklyn College; M.D. 1949, Long Island College of Medicine. [1953; 1958])
- MAXWELL STILLERMAN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1932, Long Island College of Medicine. [1948; 1956])
- PETER E. STOKES, *Assistant Professor of Medicine in Psychiatry; Assistant Professor of Clinical Medicine*. (B.S. 1948, Trinity College; M.D. 1952, Cornell. [1953; 1960])
- RICHARD W. STONE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1943, M.D. 1945, Wisconsin. [1958])
- WILLIAM D. STUBENBORD, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1927, Wesleyan; M.D. 1931, Cornell. [1933; 1953])
- JOSEPH D. SULLIVAN, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (B.S. 1935, Fordham; M.D. 1939, Cornell. [1946; 1959])
- MARGUERITE P. SYKES, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (M.D. 1948, New York University. [1955; 1957])
- BJORN THORBJARNARSON, *Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1947, University of Iceland. [1954; 1958])
- MARJORIE J. TOPKINS, *Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology; Assistant Professor of Anesthesiology in Clinical Surgery*. Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1946, Cornell; M.D. 1950, Vermont. [1954; 1958])
- CORNELIUS H. TRAEGER, *Assistant Professor of Clinical Medicine*. Attending Physician, Hospital for Special Surgery. (A.B. 1923, M.D. 1927, Columbia. [1955])
- FRANCIS P. TWINEM, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (A.B. 1917, Wooster College; M.A. 1919, Princeton; M.D. 1925, Harvard. [1950])
- PARKER VANAMEE, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1942, Yale; M.D. 1945, Cornell. [1955; 1956])
- WILLIAM H. WAINWRIGHT, *Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (M.D. 1949, University of Chicago. [1955; 1959])
- GEORGE E. WANTZ, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1946, Univ. of Michigan. [1950; 1957])

NATHANIEL WARNER, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1930, Harvard; M.A. 1934, M.D. 1940, Columbia. [1946; 1960])

CHARLES E. WELLS, *Assistant Professor of Medicine*. Assistant Neurologist, Memorial Hospital. (A.B. 1948, M.D. 1953, Emory. [1957; 1959])

CHARLES A. WERNER, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1942, Chicago; M.D. 1945, Cornell. [1948; 1958])

LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, Nebraska. [1936; 1949])

STEPHAN WHITE, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1920, College of the City of New York; M.D. 1924, Cornell. [1931; 1944])

PHILIP D. WILSON, JR., *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1944, Columbia. [1951; 1955])

FELIX WROBLEWSKI, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1942, M.D. 1945, New York University. [1954; 1956])

STANLEY S. ZIPSER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1932, Columbia; M.D. 1936, Long Island College of Medicine. [1946; 1956])

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY Medical College was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the medical faculty and appointed six professors. The Medical College was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building, located at 28th Street and First Avenue, and who pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the Medical College admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities: the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order but also to study disease and the sciences underlying medicine with the purpose of adding to medical knowledge.

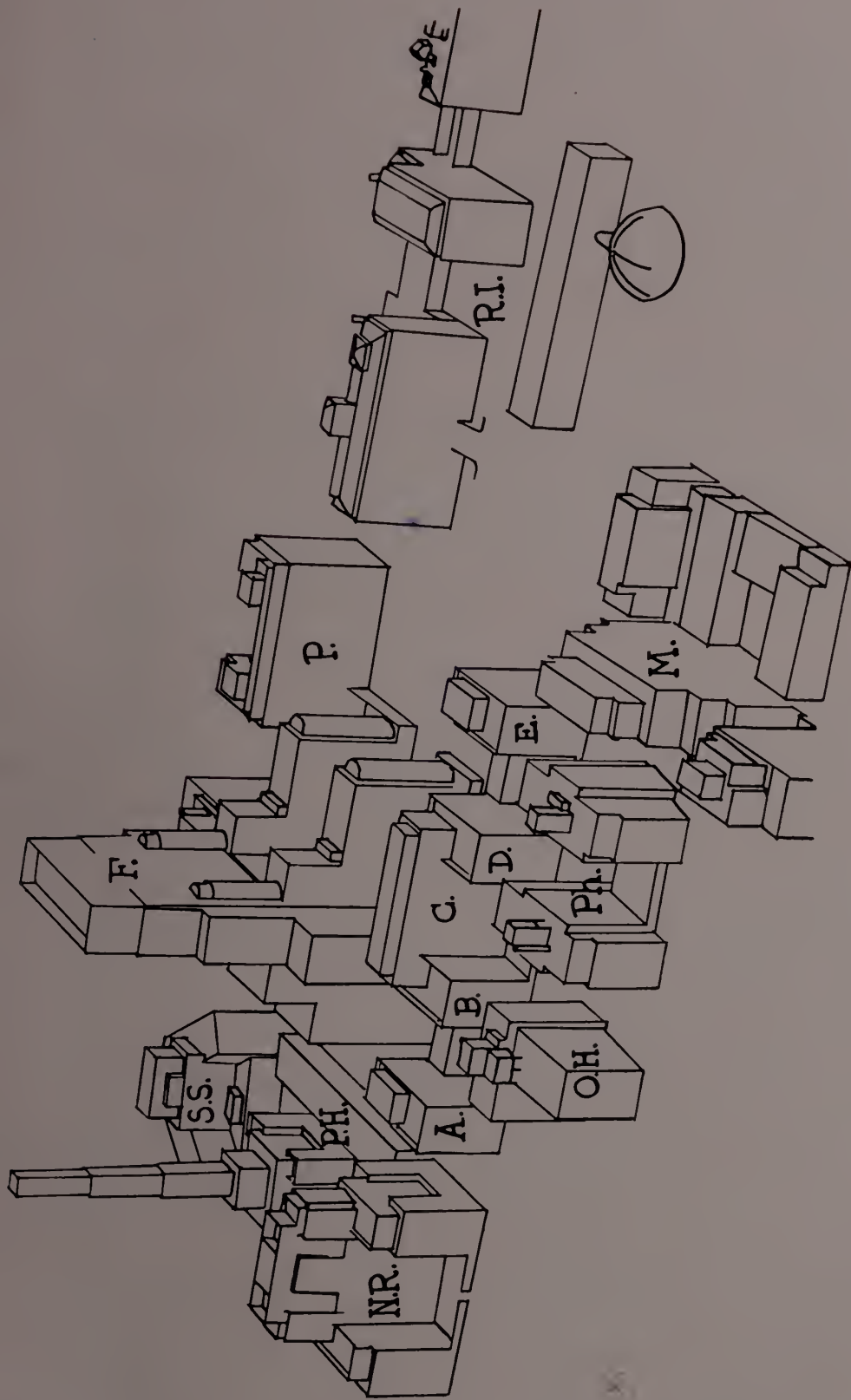
THE NEW YORK HOSPITAL— CORNELL MEDICAL CENTER

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the Hospital and the Medical College had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and The Society of the New York Hospital, formalizing their affiliation for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the Hospital and of the Medical College, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by the Hospital and by the University. The position of Director of this organization, the New York Hospital-Cornell Medical Center, was approved in 1953.



NEW YORK HOSPITAL — CORNELL MEDICAL CENTER
From the West



Key to the Photograph on the Opposite Page.

A.	Anatomy.	N.R.	Nurses' Residence.
B.	Microbiology and Immunology.	O.H.	Olin Hall.
C.	Administration and Pathology.	P.	Payne Whitney Psychiatric Clinic.
D.	Physiology.	Ph.	Phipps Houses.
E.	Biochemistry and Pharmacology.	P.H.	Power and Maintenance.
F.	New York Hospital.	R.I.	Rockefeller Institute.
M.	Memorial Hospital.	S.S.	Hospital for Special Surgery.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments and includes approximately 1220 hospital beds. Provision is made for anesthesiology, medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, and radiology in seven distinct clinical units.

The faculty of the Medical College and the professional staff of the Hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital–Cornell Medical Center are in many respects unexcelled. The plant consists of twelve buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the Medical College.

CORNELL MEDICAL COLLEGE... Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the Medical College is located. This group comprises four units facing on York Avenue, each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to microbiology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center, and in this are the offices of the Medical College, the library, and the department of pathology. This central building of the College is joined on all floors with the central hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north, but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located half a block west from the Medical College on 69th Street.

In the main buildings of the Medical College, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

NEW YORK HOSPITAL... Clinical instruction is given in the seven separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the woman's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River.

Each clinic contains, besides provision for bed patients, its own out-patient department, lecture rooms, and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed patients, three floors for its outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialties. The operating rooms are on the tenth and eleventh floors. Above are six floors containing 128 rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building and in the new House Staff Residence. The entire hospital has a capacity of approximately 1220 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the Medical College. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the College and Hospital, while other members of these departments devote part of their time to private practice.

OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the Medical College, while in others the teaching privileges have been granted to the members of the staffs who are also members of the Medical College faculty.

BELLEVUE HOSPITAL . . . Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3,325 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of Cornell University Medical College for medical instruction. The services conducted by the College include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds. The staff of these services are nominated by the College from among the members of its faculty and teaching staff, and the Medical College is responsible for the professional conduct of these services.

HOSPITAL FOR SPECIAL SURGERY . . . The Hospital for Special Surgery occupies its new building adjacent to the New York Hospital and is an affiliated institution within the New York Hospital-Cornell Medical Center. Professionally, the Hospital for Special Surgery is, in effect, the orthopedic service of the New York Hospital.

MEMORIAL HOSPITAL . . . Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of

managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

MANHATTAN STATE HOSPITAL (WARD'S ISLAND)... This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the department of psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th Street, this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the Medical College. The current journals are kept in racks around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks. There are also a library seminar room and offices for the library staff.

The library contains about 70,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also selected collections of monographs and textbooks.

Several of the departments of the Medical College have libraries containing journals, monographs, and textbooks pertaining especially to the subject matter of the departments. These collections, inter-library loans and photo-duplicate copies from other libraries, including the National Library of Medicine, supplement the medical library.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The medical director of the Institute is Dr. David P. Barr, Emeritus Professor of Medicine.

REQUIREMENTS FOR ADMISSION AND GRADUATION

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. The college degree as a prerequisite for acceptance has been adopted by faculty and trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College:

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. A student from an institution other than Cornell University seeking admission under this clause must have a statement from the dean of his college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.
3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education." In conformity with these regulations, Cornell University Medical College requires for admission the satisfactory completion of at least 6 semester hours in each of the following subjects: English, physics, biology or zoology, general chemistry, and organic chemistry.

Although the requirements outlined above form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points, which probably represent sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, choosing too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the pre-

medical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

Each year the Admissions Committee selects an entering class of approximately 84 students from a group of more than 1000 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability, sound character, healthy personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extracurricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of the state in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York 21, N.Y. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been neces-

sary to assign a definite period for distributing application forms. For a class entering in September of a certain year, the application forms may be obtained on request, beginning September 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after December 15. A charge of \$10 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class role.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great; therefore the invitations for interview are decided by the Admissions Committee.

A student who has previously attended another medical school and has been dropped for poor scholarship or unsatisfactory conduct is not an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here, since Cornell does not have a department of dentistry and makes no provision for including any teaching in this subject in the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances an academic year at a time. It is necessary that he complete all the subjects of a given academic year before taking up the next group of subjects. To be promoted to any of the advanced years (second, third, or fourth), he must be approved for advancement by the faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year examinations are given in all subjects except those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account, and due weight is assigned to the effort he puts into his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation; then they are reviewed and formally acted on by the faculty. The faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." The rating confers eligibility for readmission into the Medical College in the next higher class, unless by reason of conduct the faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be re-examined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on re-examinations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the faculty, and any students with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be

mailed on his request to accredited hospitals and to educational or other well recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character. They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States. Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused with a federal government agency. For information write to the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

ALL FEES for instruction and other charges are paid at the Business Office of the Medical College, Room A-131, 1300 York Avenue, New York 21, N.Y. *Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room D-115, immediately after registering.* The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge made for reviewing an application \$10.00

ACCEPTANCE DEPOSIT \$50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

Beginning July 1, 1958, the following tuition and fee rates were effective:

TUITION FEE (for academic year) \$1,250.00

COMPREHENSIVE FEE (for academic year) \$ 175.00

The charges are payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students, the first installment will be due at or before September registration. No refund or rebate will be made in any instance.

Included in the comprehensive fee are the following:

Matriculation Fee

Student Hospitalization Insurance (for calendar year)

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of married students at additional cost. This insurance plan covers all hospital costs for a limited period of time for any student in good standing who is hospitalized in the New York Hospital. It assures the usual Blue Cross plan coverage for hospitalization in other hospitals.

Student Health Service

Described below.

Graduation Fee and rental fee for cap and gown for graduation exercises.

BOOKS, INSTRUMENTS, AND MICROSCOPES

The average cost of books and instruments is approximately \$135 a year, distributed as follows: first year, \$150; second year, \$215; third year, \$125; fourth year, \$50.

Each student is required to provide himself with a microscope of an approved type. Arrangements can be made to purchase one from the College Book Store after arrival if the student desires. A limited number of microscopes are available for rental at \$30 a year. Anyone wishing to rent one of these microscopes should write to the Admissions Office to make a reservation as early as possible.

RESIDENCE HALLS

F. W. OLIN HALL, student residence, was completed for occupancy in September, 1954. This building was made possible by a generous gift from the Olin Foundation. The residence is located at 445 East 69th Street, directly across York Avenue from the Medical College entrance. It contains a gymnasium, snack bar, lounge rooms, and 278 residence rooms. The Alumni Memorial Room contains the George T. Delacorte, Jr., Book Collection as well as the War Memo-

F. W. Olin Hall, student residence



rial to Cornell graduates who gave their lives in the wars. Each residence room is furnished as a single bedroom-study, but, since each two rooms have a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. Rental for students is: for an academic year, \$320; for a full year (12 months), \$375; for periods less than one year, \$45 a month. One floor is reserved for women students, and nonhousekeeping facilities for married students are available. Several cafeterias are available in the main college and hospital buildings.

LIVINGSTON FARRAND APARTMENTS FOR MARRIED STUDENTS, a newly remodeled elevator building at 427 East 69th Street, next to Olin Hall, was opened in 1957. It provides nineteen 1½-room apartments and nineteen 3-room apartments; all apartments are furnished. Rentals for 1½ rooms are \$75 to \$85 per month and for the 3-room apartments, \$115 to \$125 per month.

Two adjacent buildings were remodeled in 1960 for married students. The building at 425 East 69th Street provides twenty two-room apartments, with rentals ranging from \$70 to \$77 per month; all are furnished. The building at 423 East 69th Street provides a total of sixteen two-, three-, and four-room apartments; all are furnished. Rentals range from \$70 to \$77.50 per month for two-room apartments; from \$110 to \$120 per month for three-room apartments; and from \$130 to \$137.50 for four-room apartments.

STUDENT HEALTH SERVICE

Complete ambulatory medical care is provided for all students matriculated in the Medical College and in the Graduate School of Medical Sciences through the Personnel Health Service of the Medical Center. All members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Health Service staff. In addition each student must report for a chest X-ray examination, tuberculin test, and such immunizations as may be considered necessary at periodic intervals. No charge is made for medical care through the Health Service or for any X-rays, laboratory tests, or procedures which may be needed. Each student is required to carry Associated Hospital Service (Blue Cross) hospitalization insurance unless some similar hospitalization insurance is currently in effect through a previous policy. The cost of this insurance for each student is included in the comprehensive fee. Wives and families may be included by the payment of an additional fee. Office hours are held daily from 12:30 to 1:30 p.m. by the student health staff. All cases of illness must be reported to the Health Service. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the College Health Service is expected. Wives and families of students are not eligible for care through the Personnel Health Service but will be referred to appropriate members of the hospital staff for medical care.

PRIZES

1. *FOR GENERAL EFFICIENCY*. In commemoration of John Metcalfe Polk, an instructor in this College who was graduated from Cornell University Medical

College June 7, 1899, and died on March 29, 1904, prizes will be presented at each Commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* This prize is made available from the Arthur Palmer Fund provided by the members of the staff of otolaryngology in honor of Dr. Palmer. The prize will be given to the student of the graduating class who makes the best record in this specialty.

3. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligmann, in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

4. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the department of medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each Commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

5. *THE MARY ALDRICH FUND.* In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation, the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the Administration Office not later than three weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the faculty from laboratory departments and two from clinical departments.

For 1960 the William Mecklenburg Polk Prize awards for research were:

First prize: Charles Robert Carrington

Second prize: Michael David Gershon

6. *THE WILLIAM C. THRO MEMORIAL FUND.* Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. The prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor

of clinical pathology and the award made by the Committee on Prizes and Scholarships.

7. *THE HERMAN L. JACOBIOUS PRIZE IN PATHOLOGY.* Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son, who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

8. *THE BORDEN UNDERGRADUATE RESEARCH AWARD.* The terms of this grant by the Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to another year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in quadruplicate and must be in the Administration Office not later than three weeks before the end of the term.

The Borden Prize for Research for the year 1960 was awarded to Lewis Glasser.

9. *THE GOOD PHYSICIAN AWARD.* A silver desk tray, suitably inscribed, given by a friend of the Medical College who wishes to remain anonymous, will be awarded at Commencement to that member of the graduating class who, by vote of the class, best exemplifies the intangible qualities of "*The Good Physician.*"

10. *CHARLES L. HORN PRIZE FUND.* The income from this fund will be awarded each year to the member of the graduating class who has demonstrated the most improvement in scholarship in the course of four years of study in the Medical College.

11. *THE SAMUEL HOLLANDER PRIZE.* The income from a fund established by bequest of Dr. Samuel Hollander is to be awarded to a worthy medical student as a prize for scholarship by the Committee on Scholarships.

SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP.* A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND.* This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the Medical College.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the Medical College.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP.* The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. *THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP.* Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5,000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third or fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP.* A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, professor of anatomy in the Cornell University Medical College, 1911-1939. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown

promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS*. Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND*. Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. The income from this endowment amounts to about \$100 yearly.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND*. Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the faculty, merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP* was established by a bequest from Dr. L'Esperance to provide financial assistance for women students at Cornell University Medical College.

12. *THE SAGAN FOUNDATION SCHOLARSHIP*. An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND*. This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students in the Medical College, with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *THE WALLACE D. GARRABRANDT SCHOLARSHIP*. Established by Mabel G. Gormley. This scholarship, amounting to approximately \$200, is to be awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship who is in need of financial assistance.

15. *LEONA E. TODD SCHOLARSHIP*. Under the terms of the will of Alzina T. Elliott, a scholarship has been established for women students in the Medical College. The income from the gift is approximately \$800 per year.

16. *FUND FOR TRAINING IN PSYCHIATRY*. A grateful patient, recognizing the value of psychiatric therapy in helping people achieve life more abundantly, has established this fund to provide financial assistance to students preparing for a career in psychiatry. Students who seriously intend to enter the field of psychiatry, and who are judged qualified by the faculty, are eligible for financial aid after the second year of the medical course. Financial assistance may also be given in support of graduate or postgraduate training in the Payne Whitney Psychiatric Clinic.

17. *DR. E. COOPER PERSON MEMORIAL SCHOLARSHIP FUND*. Friends of the late Dr. Person established this scholarship fund in his memory. Scholarship aid for deserving students is provided from the income.

18. *LILLIAN M. CHARLES SCHOLARSHIP FUND*. This fund was established by a generous gift from Mrs. Howard W. Charles. The income will provide scholarship assistance for needy students who are in good academic standing.

19. *VIVIAN B. ALLEN SCHOLARSHIP*. Through the generosity of the Vivian B. Allen Foundation, Inc., this endowment has been established to aid needy male students of good scholastic standing who otherwise would not be able to complete their medical education.

20. *MARY LOUISE WUESTER SCHOLARSHIP*. Established in memory of his mother by Dr. William O. Wuester. The income of this fund is awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship in need of financial aid.

21. *ROBERT E. SPENO SCHOLARSHIP*. Established in 1952 by gift from Frank Speno in memory of his son, Robert E. Speno. A room in F. W. Olin Hall is named the Robert E. Speno Room, and income from the endowment provides a room-rent scholarship.

22. *ELIZABETH AND NEILL HOUSTON SCHOLARSHIP*. Established in 1952 by a gift from Elizabeth and Neill Houston. A room in F. W. Olin Hall is designated the Elizabeth and Neill Houston Room, and income from the endowment provides a room-rent scholarship.

23. *DR. HARRY ENO SCHOLARSHIP ENDOWMENT*. Established in 1955 by gift of Dr. Harry Eno, the income to provide scholarships for needy and worthy students in the Medical College.

24. *TUITION AID FOR ENTERING STUDENTS*. A limited amount of scholarship assistance is available for entering students. The need for scholarship assistance should be discussed at the admissions interview, and inquiries about this aid should be directed to the Admissions Committee chairman.

25. *THE JOSEPH P. FERRIGAN FUND*. The income from this fund is to be used to benefit a worthy and meritorious student in need of financial assistance.

26. *THE THOMAS RENNIE SCHOLARSHIP FUND*. Friends of the late Dr. Rennie, Professor of Social Psychiatry, have set up a fund, the income from which is available to students interested in carrying out research work in social psychiatry.

27. *THE DR. GEORGE A. AND NORA W. NEWTON SCHOLARSHIP.* The Newton Scholarship Fund provides a full or partial scholarship for a needy and worthy student of the Medical College. The recipient is to be selected by the Faculty Committee on Scholarships on the basis of high scholarship and character.

28. *THE COPPERMINES FOUNDATION SCHOLARSHIP.* Endowed by a generous gift from the Coppermines Foundation, Inc., to provide financial assistance for needy and worthy students.

BURSARY FOR WOMEN STUDENTS

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Associate Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

LOAN FUNDS

1. *THE 1923 LOAN FUND.* The income from this fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS.* The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND.* A revolving fund contributed through different sources including the Kellogg Foundation, the Charles Hayden Foundation, and the Student Book Store is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

4. *JOSEPH C. HINSEY LOAN FUND.* Established through the generosity of the Olin Foundation, and supplemented by a generous gift from an anonymous donor, this revolving fund is used to advance funds on a loan basis to students in need of financial assistance.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College honor society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four year curriculum, by unanimous vote of the active members acting on recommendations made by faculty advisers. Not more than one-sixth of any class may be elected. Aspects of and indispensable to true scholarship are included open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell chapter of A.O.A. was organized May 2, 1910. A large number of the faculty are members. The chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

Members elected from the graduating class of 1960 were: Martin J. Edelman, Frederick A. Flatow, Martin Gardy, Lewis Glasser, Lee Richard Hayne, John Paul Hayslett, James Walker Innes, Stuart J. Kingma, Neil Charles Klein, Donald N. MacKay, James Lee Moore, Michael Joseph Olichney, Keith Joel Quinton, and David B. Robbins.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter.

CORNELL UNIVERSITY MEDICAL COLLEGE ALUMNI ASSOCIATION, INC.

OFFICERS

Carleton M. Cornell '37	<i>President</i>
David D. Thompson '46	<i>Vice President</i>
George R. Holswade D'43	<i>Secretary</i>
Henry A. Carr '35	<i>Treasurer</i>
Bernice E. Sheldon	<i>Executive Secretary</i>
William A. Barnes '37	<i>Fund Raising Chairman</i>

DIRECTORS

Three Year Term: Edward J. Hehre '37; John P. West '32
Two Year Term: Thomas P. Almy '39; Walter F. Riker M'43
One Year Term: William J. Grace '42; Mary Ann Payne '45

ALUMNI QUARTERLY

William J. Eisenmenger '41

Editor

George Schaefer '37

Associate Editor

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$10 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, microbiology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, and psychobiology.

In the second year, the subjects of physiology and microbiology are completed, and the student takes up work in parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets daily for clinical lectures and demonstrations.

ELECTIVE TIME

In addition to scheduled free time in the curriculum for the first three years, elective time is available in the second and fourth years. In the second year, five half-days in the third trimester have no scheduled classes and may be used to pursue elective courses of special interest to the student, or for individual research.

SUMMER FELLOWSHIPS

A few fellowships paying a modest stipend are available for selected students who wish to participate in investigative work during the summers following the first and second years.

The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

DESCRIPTION OF COURSES

ANATOMY

ROY C. SWAN, Professor of Anatomy

JOSEPH C. HINSEY, Professor of Neuroanatomy

GEORGE B. CHAPMAN, Associate Professor of Anatomy

JOHN MACLEOD, Associate Professor of Anatomy

JOHN T. FINKENSTAEDT, Assistant Professor of Anatomy

WILLIAM A. GEOHEGAN, Assistant Professor of Clinical Anatomy

WILBUR D. HAGAMEN, Assistant Professor of Anatomy

ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy

LEONARD L. ROSS, Assistant Professor of Anatomy

Instructors:

Thane Asch

Bettison E. Shapiro

Dana C. Brooks

Benjamin D. Stinson

Naomi Fitch

Research Fellows:

Sukhdev R. Bawa

Gideon G. Panter

Assistant:

Michael D. Gershon

The study of human structure as a basis for the study and practice of medicine begins in the first term of the first year with the courses in gross and microscopic anatomy. The study of gross anatomy is largely by regions; that of microscopic anatomy, more systematic. The correlation by the student of understanding of structure gained in the two courses is encouraged by participation of certain staff members in each of these courses. Developmental anatomy and genetics are introduced in a series of lectures in the first term. In the second term, laboratory dissection and examination of microscopic sections of the embryo and placenta begin in the laboratory. To the extent possible, the presentation of developmental anatomy coincides with the dissection of the cadaver, and the development basis for structural relations is emphasized in the courses in gross and microscopic anatomy. The study of the structure of the brain and spinal cord is coordinated with a study of the function of the central nervous system through the cooperation of the staffs of the Departments of Anatomy and Physiology. The application of anatomical knowledge in diagnosis and treatment in medicine is demonstrated through clinical conferences and case presentations.

MICROSCOPIC ANATOMY . . . Selected concepts of fine structure as developed through light and electron microscopy, histochemistry, ultracentrifugation, x-ray diffraction analysis, tissue culture and autoradiography are presented in lecture to indicate a pattern of study and depth of analysis which the student can be expected to apply to his informal study of cells and tissues not formally presented in lectures. A more comprehensive and systematic study of fine structure is made in the laboratory through a study of a loan collection of histological sections, electron micrographs, and through microscopic study of surviving tissues and cells. Modern research techniques in microscopy, microtomy, histochemistry, tissue culture and autoradiography are demonstrated. The functional and bio-

chemical significance of fine structure is emphasized. Laboratory and lectures, 176 hours.

GROSS ANATOMY... Regional anatomy is studied principally through a thorough dissection of the human body. Lectures present selectively the more difficult regions and systems. Demonstration dissections and films supplement. Structural relations are also presented and discussed roentgenographically with emphasis on development, individual variation, and developmental abnormalities. Laboratory and lectures, 257 hours.

NEUROANATOMY... The gross and microscopic structure of the brain and spinal cord is taught in the laboratory by study of serial sections through the entire brain stem in three different planes. Three dimensional visualization is facilitated by gross dissection of human and other mammalian brains and use of models. Special emphasis is placed on functional, experimental, and clinical aspects of neuroanatomy, presented in a manual but supplemented by lectures and demonstrations. Elective opportunity is offered for animal experimentation. Laboratory and demonstrations, 84 hours.

DEVELOPMENTAL ANATOMY AND GENETICS... Lectures and laboratory are designed to help the student visualize basic embryological relationships and to introduce him to fundamental concepts and problems of human heredity. Lectures in embryology stress those areas of early development, fetal-maternal relations, and organogenesis which clarify aspects of adult function and structure, or which aid in the understanding of clinically important congenital defects. In the laboratory, the least easily visualized aspects of placentation and organogenesis are studied in both gross and serially sectioned material. Lectures in genetics stress the application of basic Mendelian principles to problems of hereditary anomalies and disease, radiation biology and mutation, sex determination, and population dynamics. Lecture and laboratory, 55 hours, first and second terms.

ELECTIVE COURSES... (I) *Seminars in Embryology and Genetics*. For second year students, third term. Drs. Fitch, Shapiro and Stinson. (II) *Surgical Anatomy*. Review dissection of the human body with emphasis on applications in surgery. For second year students, third term. Drs. Lampe and Swan. (III) *Review dissection* of the human body for fourth year students during elective period.

GROSS ANATOMY FOR GRADUATES... A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

COURSE IN SURGICAL ANATOMY... Dr. Ernest W. Lampe. An extensive review of surgical anatomy with demonstrations and dissections specially designed for candidates for the American Board of Surgery. The fee, \$200 for a term of four weeks, includes matriculation, registration charges, and tuition. Limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ADVANCED STUDY AND RESEARCH... Opportunities for first and second year students to devote summer vacations and elective time to supervised study and investigation may be arranged individually with members of the staff. Pre-

doctoral fellowships are available to students considering careers in preclinical science and wishing to interrupt their medical studies at the end of their second or third year to devote a full year to research in fine structure, experimental cytology, neuroanatomy, embryology, or genetics.

BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry

ROY W. BONSNES, Associate Professor of Biochemistry

JULIAN R. RACHELE, Associate Professor of Biochemistry

WILLIAM D. CASH, Assistant Professor of Biochemistry

HELENA GILDER, Assistant Professor of Biochemistry

DEREK B. HOPE, Assistant Professor of Biochemistry

Instructors:

Edward T. Schubert

John E. Stouffer

Research Associates:

Janardan P. Aroskar

Esther M. Breslow

George S. Denning, Jr.

Julius Golubow

Raymond D. Kimbrough, Jr.

Conrad H. Schneider

Research Fellow:

Derek Jarvis

Assistant:

Sarah S. Shippey

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

FIRST AND SECOND TERM... Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids. 33 hours, first term. 33 hours, second term.

THIRD TERM... Laboratory course with lectures and conferences extending the work of the first two terms. 154 hours, third term.

ELECTIVES

ADVANCED LABORATORY WORK OR RESEARCH . . . By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

BIOCHEMISTRY . . . Fee, \$25 a term.

BIOCHEMICAL LITERATURE . . . Seminar on the current literature in biochemistry, mainly for graduate students but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du Vigneaud, Melville, and Rachele.

BIOCHEMICAL PREPARATIONS . . . Laboratory dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The staff.

RESEARCH IN BIOCHEMISTRY . . . By arrangement with the head of the department.

MEDICINE

E. HUGH LUCKEY, Professor of Medicine (*Chairman*)

THOMAS P. ALMY, Professor of Medicine

JOSEPH H. BURCHENAL, Professor of Medicine

ANTHONY C. CIPOLLARO, Professor of Clinical Medicine (Dermatology)

JOHN E. DEITRICK, Professor of Medicine

CLAUDE E. FORKNER, Professor of Clinical Medicine

RICHARD H. FREYBERG, Professor of Clinical Medicine

EDWIN T. HAUSER, Professor of Clinical Medicine

FRANK L. HORSFALL, JR., Professor of Medicine

MILTON L. KRAMER, Professor of Clinical Medicine

GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology)

ADE T. MILHORAT, Professor of Clinical Medicine

CARL MUSCHENHEIM, Professor of Clinical Medicine

RULON W. RAWSON, Professor of Medicine

GEORGE G. READER, Professor of Medicine

PAUL REZNIKOFF, Professor of Clinical Medicine

HAROLD J. STEWART, Professor of Clinical Medicine

EDWARD TOLSTOI, Professor of Clinical Medicine

ROBERT F. WATSON, Professor of Clinical Medicine

HAROLD G. WOLFF, Ann Parrish Titzell Professor of Medicine (Neurology)

IRVING S. WRIGHT, Professor of Clinical Medicine

HORACE S. BALDWIN, Associate Professor of Clinical Medicine

FRANK E. CORMIA, Associate Professor of Clinical Medicine (Dermatology)

HENRY D. DIAMOND, Associate Professor of Clinical Medicine

HENRY S. DUNNING, Associate Professor of Clinical Medicine (Neurology)

RALPH L. ENGLE, JR., Associate Professor of Medicine

AARON FEDER, Associate Professor of Clinical Medicine

WILLIAM T. FOLEY, Associate Professor of Clinical Medicine

SIDNEY M. GREENBERG, Associate Professor of Clinical Medicine

LEON HELLMAN, Associate Professor of Medicine

LAWRENCE E. HINKLE, JR., Associate Professor of Clinical Medicine

ELLIOT HOCHSTEIN, Associate Professor of Clinical Medicine

EDWARD W. HOOK, JR., Associate Professor of Medicine

MELVIN HORWITH, Associate Professor of Clinical Medicine

DAVID A. KARNOFSKY, Associate Professor of Medicine
 GEORGE L. KAUER, Associate Professor of Clinical Medicine
 B. H. KEAN, Associate Professor of Clinical Medicine (Tropical Medicine)
 JOHN S. LADUE, Associate Professor of Clinical Medicine
 ALLYN B. LEY, Associate Professor of Clinical Medicine
 MARY H. LOVELESS, Associate Professor of Clinical Medicine
 DANIEL S. LUKAS, Associate Professor of Medicine
 W. P. LAIRD MYERS, Associate Professor of Medicine
 THEODORE W. OPPEL, Associate Professor of Clinical Medicine
 MARY ANN PAYNE, Associate Professor of Clinical Medicine
 RALPH E. PETERSON, Associate Professor of Medicine
 SIDNEY ROTHBARD, Associate Professor of Medicine
 ALBERT L. RUBIN, Associate Professor of Medicine
 DONALD J. SIMONS, Associate Professor of Clinical Medicine
 MARVIN H. SLEISINGER, Associate Professor of Clinical Medicine
 J. JAMES SMITH, Associate Professor of Clinical Medicine
 MARTIN SONENBERG, Associate Professor of Medicine
 CHESTER M. SOUTHAM, Associate Professor of Medicine
 ISRAEL STEINBERG, Associate Professor of Clinical Medicine
 ARTHUR M. SUTHERLAND, Associate Professor of Clinical Medicine *
 DAVID D. THOMPSON, Associate Professor of Medicine
 ALPHONSE E. TIMPANELLI, Associate Professor of Clinical Medicine
 DOUGLAS P. TORRE, Associate Professor of Clinical Medicine (Dermatology)
 BRUCE P. WEBSTER, Associate Professor of Clinical Medicine
 CHARLES H. WHEELER, Associate Professor of Clinical Medicine
 BYARD WILLIAMS, Associate Professor of Clinical Medicine

KENNETH C. ARCHIBALD, Assistant Professor of Medicine
 SAM C. ATKINSON, Assistant Professor of Clinical Medicine (Dermatology)
 JEREMIAH A. BARONDESS, Assistant Professor of Clinical Medicine
 CURTIS H. BAYLOR, Assistant Professor of Clinical Medicine
 DAVID V. BECKER, Assistant Professor of Medicine
 E. LOVELL BECKER, Assistant Professor of Medicine
 RICHARD S. BENUA, Assistant Professor of Medicine
 KEEVE BRODMAN, Assistant Professor of Clinical Medicine
 CRAIG D. BURRELL, Assistant Professor of Medicine
 KATHARINE BUTLER, Assistant Professor of Clinical Medicine
 HENRY A. CARR, Assistant Professor of Clinical Medicine
 AARON D. CHAVES, Assistant Professor of Clinical Medicine
 WILLIAM N. CHRISTENSON, Assistant Professor of Medicine
 EUGENE J. COHEN, Assistant Professor of Clinical Medicine
 HARVEY S. COLLINS, Assistant Professor of Medicine
 PETER G. DENKER, Assistant Professor of Clinical Medicine (Neurology)
 JOHN W. DOUGHERTY, Assistant Professor of Clinical Medicine (Dermatology)
 MURRAY DWORETZKY, Assistant Professor of Clinical Medicine
 WILLIAM J. EISENMENGER, Assistant Professor of Clinical Medicine
 ROSE RUTH ELLISON, Assistant Professor of Medicine
 ALBERT J. ERDMANN, JR., Assistant Professor of Clinical Medicine
 GEORGE C. ESCHER, Assistant Professor of Clinical Medicine
 JOHN T. FARRAR, Assistant Professor of Clinical Medicine
 JOHN A. FINKBEINER, Assistant Professor of Clinical Medicine
 ALVIN H. FREIMAN, Assistant Professor of Clinical Medicine
 CONSTANCE FRIESS, Assistant Professor of Clinical Medicine
 WILLIAM GELLER, Assistant Professor of Clinical Medicine
 ELSIE A. GIORGI, Assistant Professor of Clinical Medicine
 CHARLES H. GOODRICH, Assistant Professor of Medicine
 SIGMUND N. GROCH, Assistant Professor of Clinical Medicine
 THOMAS C. GUTHRIE, Assistant Professor of Clinical Medicine (Neurology)
 SUSAN J. HADLEY, Assistant Professor of Clinical Medicine

* On leave of absence.

MILTON HELPERN, Assistant Professor of Clinical Medicine
 EUGENE L. HORGER, Assistant Professor of Clinical Medicine
 RAYMOND W. HOUE, Assistant Professor of Medicine
 ABRAHAM S. JACOBSON, Assistant Professor of Clinical Medicine
 WILLIAM H. KAMMERER, Assistant Professor of Clinical Medicine
 LEMOYNE C. KELLY, Assistant Professor of Clinical Medicine
 THOMAS KILLIP III, Assistant Professor of Medicine
 FREDERIC T. KIRKHAM, JR., Assistant Professor of Clinical Medicine
 HENRY B. KIRKLAND, Assistant Professor of Clinical Medicine
 GERALD H. KLINGON, Assistant Professor of Clinical Medicine
 HERBERT KOTEEN, Assistant Professor of Clinical Medicine
 O. DHODANAND KOWLESSAR, Assistant Professor of Medicine
 IRWIN H. KRAKOFF, Assistant Professor of Medicine
 MICHAEL LAKE, Assistant Professor of Clinical Medicine
 RICHARD E. LEE, Assistant Professor of Clinical Medicine
 LEON I. LEVINE, Assistant Professor of Clinical Medicine
 SOL S. LICHTMAN, Assistant Professor of Clinical Medicine
 JERROLD S. LIEBERMAN, Assistant Professor of Clinical Medicine
 ROBERT M. LINTZ, Assistant Professor of Clinical Medicine
 MACK LIPKIN, Assistant Professor of Clinical Medicine
 MARTIN LIPKIN, Assistant Professor of Medicine
 DONALD B. LOURIA, Assistant Professor of Medicine
 CHARLES D. MARPLE, Assistant Professor of Clinical Medicine
 KIRBY A. MARTIN, Assistant Professor of Clinical Medicine
 KLAUS MAYER, Assistant Professor of Medicine
 ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine
 A. PARKS McCOMBS, Assistant Professor of Clinical Medicine
 RICHARD R. McCORMACK, Assistant Professor of Clinical Medicine
 ELLEN McDEVITT, Assistant Professor of Medicine
 FLETCHER H. McDOWELL, Assistant Professor of Medicine (Neurology)
 ROBERT H. MELCHIONNA, Assistant Professor of Clinical Medicine
 DANIEL G. MILLER, Assistant Professor of Medicine
 IRWIN NYDICK, Assistant Professor of Clinical Medicine
 NORMAN PLUMMER, Assistant Professor of Clinical Medicine
 J. WILLIAM POPPELL, Assistant Professor of Medicine
 R. A. REES PRITCHETT, Assistant Professor of Clinical Medicine
 EDGAR A. RILEY, Assistant Professor of Clinical Medicine
 WILLIAM C. ROBBINS, Assistant Professor of Clinical Medicine
 THOMAS N. ROBERTS, Assistant Professor of Clinical Medicine
 DAVID M. ROSEMAN, Assistant Professor of Clinical Medicine
 CHARLES SHEARD, Assistant Professor of Clinical Medicine (Dermatology)
 NORTON SPRITZ, Assistant Professor of Medicine
 HERMAN STEINBERG, Assistant Professor of Clinical Medicine
 PETER E. STOKES, Assistant Professor of Clinical Medicine
 RICHARD W. STONE, Assistant Professor of Clinical Medicine
 WILLIAM D. STUBENBORD, Assistant Professor of Clinical Medicine
 MARGUERITE P. SYKES, Assistant Professor of Medicine
 CORNELIUS H. TRAEGER, Assistant Professor of Clinical Medicine
 PARKER VANAMEE, Assistant Professor of Medicine
 CHARLES E. WELLS, Assistant Professor of Medicine
 CHARLES A. WERNER, Assistant Professor of Clinical Medicine
 FELIX WROBLEWSKI, Assistant Professor of Clinical Medicine

Instructors:

Seymour Advocate	William H. Austin	Bry Benjamin
Anthony A. Antoville	Olav Austlid	Ruth P. Berkeley
Lucien I. Arditi	Charles A. Bailey	Carl A. Berntsen
George C. Armistead, Jr.	Lloyd T. Barnes	Aaron W. Bortin
Donald A. Armstrong	Barbara Bates	Warren S. Braveman

Samuel H. Brethwaite, Jr.
 Veronica C. Brown
 Bernerd H. Burbank
 Edward A. Burkhardt, Jr.
 Susan T. Carver
 Foo Chu
 Hugh E. Claremont
 Bayard D. Clarkson
 Burton D. Cohen
 Denton S. Cox
 Jean A. Cramer
 Jeff Davis
 Marion Davis
 Roger M. Des Prez
 Monroe T. Diamond
 Carolyn H. Diehl
 Lisgar B. Eckardt
 Robert E. Eckardt
 George E. Ehrlich
 Ernest R. Esakof
 Emil A. Falk
 Lawrence Farmer
 John T. Flynn
 Francis J. Gilroy
 Selig M. Ginsburg
 Robert D. Gittler
 David Goebel
 Robert B. Golbey
 Oscar E. Goldstein
 Keith O. Guthrie, Jr.
 Marshall J. Hanley
 Louis A. Hauser
 Leonard L. Heimoff
 Herman G. Helpern
 Lawrence B. Hobson
 Edward I. Honig
 Robert Huebner
 Norman J. Isaacs
 Leif Y. Jacobsen
 Bernard Jaslowitz

Graham H. Jeffries
 Thomas P. Jernigan
 Clarence Wm. Jordahl, Jr.
 Lawrence I. Kaplan
 Anna Kara
 J. Harry Katz
 Bernard Koven
 Henn Kutt
 Martha Larsen
 Harold L. Leder
 Robert E. Lee
 Dorothea Lemcke
 Bruce C. Levy
 Charles M. Lewis
 Marjorie Lewisohn
 Norton M. Luger
 Melville G. Magida
 John F. Marchand *
 Mark R. Marciano
 Aaron J. Marcus
 Neva Eileen McGrath
 George A. McLeomore, Jr.
 Allen W. Mead
 John J. Mead III
 Raymond E. Miller
 David W. Molander
 Willis A. Murphy
 Warren P. Nestler
 Luigia Norsa
 Thomas C. Parsons
 Marjorie B. Patterson
 George E. Peabody
 Francis S. Perrone
 Aurelia Potor
 James A. Reilly
 Milton Reisch
 Sanford M. Reiss
 Laurie E. Rennie
 Charles H. Ressler
 John C. Ribble

Jack Richard
 Thomas G. Rigney
 Seymour H. Rinzler
 Bernard Rogoff
 Julius L. Rogoff
 Isadore Rosenfeld
 Emmanuel Rudd
 Paul Ruegsegger
 Lawrence Schierr
 Leonard Schuyler
 Ernest Schwartz
 Arthur W. Seligmann
 Edward M. Shepard
 Paul Sherlock
 Richard T. Silver
 Gerald M. Silverman
 Harry A. Sinclair
 Lawrence S. Sonkin
 Aaron D. Spielman
 Herbert J. Spoor
 James C. Strickler
 Robert D. Sullivan
 Katharine W. Swift
 Thomas T. Tamlyn
 Marian Tyndall
 Louis J. Vorhaus II
 Harold R. Wainerdi
 Milton A. Wald
 Lila A. Wallis
 Clinton G. Weiman
 Aaron O. Wells
 Marilyn S. Wells
 Erwin A. Werner
 Carl Wierum
 Florence A. Wilson
 Arnold L. Winston
 Edward A. Wolfson
 Alexander W. Young, Jr.
 Seymour Zucker
 Barnett Zumoff

Research Associates:

Beatrice Berle
 Mary E. W. Goss

Ralph Heimer
 Gene G. Kassebaum

Margaret E. Todd
 Kenneth R. Woods

Research Fellows:

Ronald A. Arky
 Bertrand M. Bell
 Harrison O. Brown
 J. Robert Buchanan
 J. Robert Cade
 Donald J. Cameron
 Donald J. Dalessio
 George W. Frimpter
 Eugene D. Furth
 Hortense M. Gandy
 Stanley Giannelli, Jr.
 H. Earl Ginn, Jr.

Leo S. Goldstein
 Helen Goodell
 Asher Haymovits
 Myron A. Hofer
 Mary E. Hopper
 Donald W. Hoskins
 Edmund Jacobson, Jr.
 Donald Kaye
 Edouardo Katz
 Veljko Krstulovic
 Costas T. Lambrew
 Robert A. Levine

Marianne Lindner
 Regina C. McCormack
 Jurg Muller
 Thomas F. O'Brien
 David A. Ogden
 Luciano Pedreira
 Malcolm Peterson
 Jules R. Schwaber
 Alan G. Snart
 Elliot Weser
 Turgut Zileli
 Abraham Yurkofsky

* On leave of absence.

Assistants in Medicine:

Henriette E. Abel	Sidney Goldstein	Francisco Olazabal
Peter D. Alden	Gary M. Gray	Sydnor B. Penick III
Stephen M. Ayres	Cary S. Hill, Jr.	Fred E. Pittman
Ralph A. Baer	David E. Jenkins, Jr.	James J. Rahal, Jr.
John N. Baldwin	Don Paul Jones	Kathleen L. Rives
Lewellys F. Barker II	Harvey G. Kemp, Jr.	Milton H. Sangree, Jr.
Robert G. Brayton	Thomas Koeze	Peter B. Schneider
John L. Brown	Stanley G. Korenman	Robert B. Scott
Walter A. Camp	Richard J. Kossman	Barry M. Segal
Robert L. Collier	Burton J. Lee III	J. Robert Shofer
C. Stephen Connolly	Gary E. Leinbach	William Snyder
R. Gordon Douglas, Jr.	Leo R. Lese	Richard A. Steele
P. Michael Edelman	William T. London	Charles Tashima
John W. Evans	John G. Merselis, Jr.	David D. Stone
Robert E. Fellows	Eugene Morkin	Michael H. Stone
Claude E. Forkner, Jr.	John F. Morris	Edward L. Worthington
Joseph Fraumeni, Jr.	Ralph L. Nachman	Sanford F. Zahler
David L. Globus	Jay A. Noble	David S. Zimmon

Lecturers in Medicine: William G. C. Munroe (Tuberculosis), Robert L. Yaeger (Tuberculosis)

Students begin their course in medicine in the second term of the second year with physical diagnosis. They are introduced to this subject in the second term (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third term they spend two mornings a week with the patients either in the pavilions of the New York Hospital or on the wards of Bellevue, Memorial, or New York Veterans Administration Hospital.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the third term of the second year, under the direction of Dr. Kellner. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical significance of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration, and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine. Their time is divided equally between the New York Hospital under the supervision of Dr. Luckey and Dr. Wolff, and Bellevue Hospital under the direction of Dr. Almy.

The medical wards of the New York Hospital comprise five public pavilions totaling 126 beds. Those at Bellevue have approximately 100 teaching beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are,

therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor at the New York Hospital are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in diseases of the nervous system.

The instruction of the senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathology conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

CARDIOVASCULAR-RENAL DISEASE (at Bellevue Hospital) . . . Dr. Rubin and others. For a period of two months. Maximum registration, two students. The work will consist of following patients with cardiac problems and disturbances of acid-base balance, reading electrocardiograms, and participating in investigative projects.

ENDOCRINOLOGY AND METABOLISM . . . For periods of two months. Maximum registration, two students. Assignments to diabetic clinic, endocrine clinic, and metabolism ward, and participation in applicable laboratory methods.

NEUROLOGY . . . Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

CARDIOLOGY . . . Dr. Harold J. Stewart and staff. For periods of two months. Maximum registration, one student. Participation in the cardiac clinic and wards, the reading of electrocardiograms, and assignments to research problems.

HEMATOLOGY . . . Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. Participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

NEUROANATOMY . . . Dr. Fletcher H. McDowell. The development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

FORENSIC MEDICINE . . . (a) *A series of 15 lectures* given by Dr. Milton Helpern. The subject matter is illustrated with material derived from cases investigated by the office of the Chief Medical Examiner of the Borough of Manhattan.

Covers the following topics: the obligations and rights of physicians; relations of the physician to government agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair; forensic application of blood grouping; occupational injuries and diseases.

Tuesday afternoon, 5–6 p.m.

(b) *Practical course*. An opportunity will be given to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths, which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

To be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

OTHER ELECTIVES

Other special electives may be arranged through conference with the head of the department.

MEDICAL COMPREHENSIVE CARE AND TEACHING PROGRAM

The course in comprehensive medicine occupies the major attention of half the senior class during each of the two semesters of the fourth year. It is designed to be a synthesis of the many disciplines to which the medical student has been exposed and, as such, may be considered a laboratory course in patient care.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients are carried out with minimal referral to other clinics. In this exercise senior students play a responsible and functioning role.

Social factors in patient care are emphasized through participation of the staff of the New York Hospital social service department. One social worker has been appointed to coordinate the activities of this staff, as well as the services provided by community agencies. Similarly, a public health nurse coordinates nursing activities in the program.

Teaching of preventive medicine is the responsibility of a physician representing the department of public health and preventive medicine.

Emotional aspects of disease are stressed through the participation of a selected group of psychiatrists from the department of psychiatry.

A representative of the department of surgery and one from the department of obstetrics and gynecology provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine are offered each student in addition to the regular clinic work.

Dr. George G. Reader is in over-all charge of the program and is assisted by three assistant directors, two from the department of medicine together with the staff of the medical outpatient department, and one from the department of pediatrics together with the staff of the pediatric outpatient department.

MICROBIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Microbiology and Immunology

JOHN Y. SUGG, Associate Professor of Microbiology and Immunology

IRVING ABRAHAM, Assistant Professor of Microbiology and Immunology

ROY CLEELAND, Assistant Professor of Microbiology and Immunology

WILLIAM M. O'LEARY, Assistant Professor of Microbiology and Immunology

———, Assistant Professor of Microbiology and Immunology

Lecturer: Alvin Hollander

The course is presented in the first trimester of the second year and consists of laboratory experiments, lectures, and group discussions. The laboratory work includes an introduction to the procedures used in studying micro-organisms, experiments on the mechanisms of the different kinds of antigen-antibody reactions, the actions of chemotherapeutic agents, a survey of the microbial flora of the upper respiratory and lower intestinal tracts of healthy humans, and an intensive study of the causal agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. The lectures are directed toward the development of basic concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships. Emphasis is placed on aspects related to the etiology, pathogenesis, epidemiology, and prevention of infectious disease; special attention is given also to the immunological principles involved in the various manifestations of hypersensitiveness that occur in disease conditions of noninfectious origins.

ELECTIVE COURSES... Opportunities for advanced research studies in bacteriology, mycology, virology, immunology, or microbial biochemistry are provided to a limited number of students who wish to devote their elective time to studies in these subjects.

OBSTETRICS AND GYNECOLOGY

R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology (*Chairman*)
 JOSEPH F. ARTUSIO, JR., Professor of Anesthesiology in Obstetrics and Gynecology
 EDWARD H. DENNEN, Professor of Clinical Obstetrics and Gynecology
 JOSEPH N. NATHANSON, Professor of Clinical Obstetrics and Gynecology
 FRANK R. SMITH, Professor of Clinical Obstetrics and Gynecology

THOMAS L. BALL, Associate Professor of Clinical Obstetrics and Gynecology
 ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology
 RALPH W. GAUSE, Associate Professor of Clinical Obstetrics and Gynecology
 RANDOLPH GEPFERT, Associate Professor of Clinical Obstetrics and Gynecology
 WILLIAM P. GIVEN, Associate Professor of Clinical Obstetrics and Gynecology
 OSCAR GLASSMAN, Associate Professor of Clinical Obstetrics and Gynecology
 ARTHUR V. GREELEY, Associate Professor of Clinical Obstetrics and Gynecology
 DONALD G. JOHNSON, Associate Professor of Clinical Obstetrics and Gynecology
 ELMER E. KRAMER, Associate Professor of Clinical Obstetrics and Gynecology
 ROBERT LANDESMAN, Associate Professor of Clinical Obstetrics and Gynecology
 BENJAMIN E. MARBURY, Associate Professor of Anesthesiology in Clinical Obstetrics and Gynecology

CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology
 CURTIS L. MENDELSON, Associate Professor of Clinical Obstetrics and Gynecology
 NELSON B. SACKETT, Associate Professor of Clinical Obstetrics and Gynecology
 GEORGE SCHAEFER, Associate Professor of Clinical Obstetrics and Gynecology
 WILLIAM J. SWEENEY, Associate Professor of Clinical Obstetrics and Gynecology

MYRON I. BUCHMAN, Assistant Professor of Clinical Obstetrics and Gynecology
 JUSTIN T. CALLAHAN, Assistant Professor of Clinical Obstetrics and Gynecology
 JOHN T. COLE, Assistant Professor of Clinical Obstetrics and Gynecology
 ROBERT L. CRAIG, Assistant Professor of Clinical Obstetrics and Gynecology
 E. WILLIAM DAVIS, JR., Assistant Professor of Clinical Obstetrics and Gynecology
 THOMAS F. DILLON, Assistant Professor of Clinical Obstetrics and Gynecology
 WILLIAM F. FINN, Assistant Professor of Clinical Obstetrics and Gynecology
 GRAHAM G. HAWKS, Assistant Professor of Clinical Obstetrics and Gynecology
 ANN P. KENT, Assistant Professor of Clinical Obstetrics and Gynecology
 EDWARD C. MANN, Assistant Professor of Clinical Obstetrics and Gynecology
 VALENTINO B. MAZZIA, Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology
 RICHARD A. RUSKIN, Assistant Professor of Clinical Obstetrics and Gynecology
 E. FLETCHER SMITH, Assistant Professor of Clinical Obstetrics and Gynecology
 CHARLES T. SNYDER, Assistant Professor of Clinical Obstetrics and Gynecology
 MARJORIE J. TOPKINS, Assistant Professor of Anesthesiology in Clinical Obstetrics and Gynecology

Instructors:

Hugh R. K. Barber
 Naef K. Basile
 Charles H. Bippart
 Stanley J. Birnbaum
 Perry S. Boynton
 Alfred Brockunier
 David B. Crawford, Jr.
 Hugh Halsey II

A. Garland Jonas, Jr.
 Robert C. Knapp
 John R. Langstadt
 William D. McLarn
 Robert N. Melnick
 Francis X. Moffitt
 Myles C. Morrison, Jr.
 Bernard Nathanson

Virginia K. Pierce
 Samuel F. Ryan
 Jay B. Skelton
 Edward F. Stanton
 John S. Van Mater
 Virginia Werden
 Robert E. Wicche

Research Associate: Elaine Grimm, Ph.D.

Assistants:

D. Erskine Carmichael
Christopher J. Cook
Herbert A. Dietzel
Charles H. Hirsch
Charles Hoffman

Leonard A. LaBua
Anne-Kristine Lindkvist
Frederick W. Martens
Irwin R. Merkatz
Masao Nakamoto

John T. Queenan
Frederick Silverman
E. Thomas Steadman
H. Hudnall Ware III
James C. Warenski

The Lying-In Hospital, a division of The New York Hospital, provides 116 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 91 beds. Students are given practical instruction in the out-patient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are provided every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 6,000 adult admissions to the obstetrical service and 2,500 to the gynecological service each year.

SECOND YEAR

ORIENTATION AND INTRODUCTION TO GYNECOLOGICAL EXAMINATION . . . During the last trimester of the second year, two two-hour sessions on orientation in the discipline and a review of basic and pertinent clinical anatomy are given to one quarter of the class every two weeks. Subsequently, two one-hour sessions involving instruction in pelvic examination are given to groups of four students six days weekly. 6 hours. Professors Douglas, Given, Ball, Johnson, and staff.

THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY . . . Lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of diseases of the pelvic structures.

The entire class meets for these sessions on Mondays and Saturdays 8:30 to 9:30 a.m. throughout the year. Professors Douglas, McLane, Kramer, Frank Smith, Given, Johnson, Ball, Gause, and staff. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION . . . Given to one-sixth of the class for periods of one-half of a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays 9:30 a.m. to 11:30 a.m. Deals especially with physical diagnosis in both obstetrical and gynecological patients, and manikin exercises. Professors Dennen, Kramer, Hawks, Ruskin, Dillon, Bernard Nathanson, and staff.

COURSE III. SEMINAR . . . Given to one-sixth of the class for periods of one-half of a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays 11:30 a.m. to 12:30 p.m. Conducted on an informal basis; active student participation is encouraged. The subject matter pertains largely to obstetrical complications of pregnancy and labor. Professors Given, Johnson, and staff.

COURSE IV. INFECTIOUS AND NEOPLASTIC DISEASES . . . Instruction in diseases of bacterial origin commonly seen in obstetrics and gynecology, together with discussions of the problems of malignant neoplastic disease in this field. The basic concepts of radiation therapy, with emphasis on the application to malignant disease in the female generative tract. Given to one-third of the class each trimester. Mondays 9:30 to 10:30 a.m. Professors Douglas, Burnett (Radiology), Dillon, Davis, and staff.

COURSE V. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY . . . Laboratory instruction in obstetrical and gynecological pathology, both gross and microscopic. Given to one-third of the class each trimester. Mondays 10:30 a.m. to 12:30 p.m. Professors Kramer, Davis, Finn, Snyder, and staff. Total hours, 77 for Courses II, III, IV, and V.

FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY . . . Comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will serve in The Lying-In Hospital for a period of 7½ weeks, during which time he will act as a clinical assistant in the obstetrical and gynecological department; this includes activities in hospital wards, delivery and operating rooms, and clinics. Students assigned to the delivery floor will be provided with sleeping accommodations but not with board. The student is expected to participate in all departmental teaching functions. Daily rounds are held on each floor to keep him informed on all activities in addition to those relating to his assigned patients.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

A conference is conducted each morning 8:30 to 9:30 a.m. for those students assigned to the delivery floor. Problems encountered during the previous day are thoroughly discussed. Active student participation is encouraged. Professors Joseph Nathanson, Hawks, and Ruskin.

Because of the nature of the service, night and weekend work is required. Minimum hours allotted to the course, 285.

DEPARTMENTAL STAFF CONFERENCES AND ROUNDS . . . A weekly staff conference is held on Mondays from 2 to 4 p.m. and rounds on Fridays from 11 a.m. to 1 p.m. Symposia and instructive case reports with student participation will be presented. Professor Douglas and staff.

A clinical-surgical pathologic conference is held each Wednesday from 5 p.m. to 6 p.m. Current pathological material, gross and microscopic, is projected and correlated with the clinical data. Professors Kramer, Davis, and staff.

LABOR AND DELIVERY FLOOR TEACHING . . . Four or five students are assigned to this area for one-third of their departmental time. In addition to continuous supervision and individual instruction a special teaching conference is held each morning, 8:30–9:30 a.m. Professor Nathanson and staff.

OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY... Current representative pathological material with a brief clinical history and microscopic projection will be presented each Wednesday from 5 to 6 p.m. Professor Kramer and staff.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY... A limited number of students will be accepted to serve as assistants in different clinics.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities and opportunities for clinical investigation in neoplastic disease, endocrinology, heart disease, infertility, and other fields. The various rounds and staff conferences can be attended.

Encouragement is given for original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

PATHOLOGY

JOHN G. KIDD, Professor of Pathology

JOHN T. ELLIS, Associate Professor of Pathology

AARON KELLNER, Associate Professor of Pathology

GEORGE E. MURPHY, Associate Professor of Pathology

GOETZ W. RICHTER, Associate Professor of Pathology

F. STEPHEN VOGEL, Associate Professor of Pathology

JOHN F. SEYBOLT, Assistant Professor of Pathology

Instructors:

Diethelm H. Böhme

Wallace G. Campbell

Charles A. Santos-Buch

Jean E. Todd

Helga A. Windhager

Research Associates:

John D. Broome

Kenneth R. Woods

Assistants:

Boyce P. Bennett

Peter M. Burkholder

Jack W. C. Hagstrom

Leslie H. Sobin

Charlotte M. Street

Taik Koo Yun

Lecturers:

Arthur S. Carlson

Milton Helpern

Theodore Robertson

GENERAL PATHOLOGY

FACILITIES

The department of pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are situated. The fourth and fifth floors are

chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851, and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION... Instruction is given in the first and second terms of the second year. Gross and histological lesions are studied, and their pathogenesis and correlation with disturbed function are considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair, and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

GENERAL AND SPECIAL PATHOLOGY... Required in the first and second terms of the second year.

Professor Kidd and staff. 264 hours.

NEUROPATHOLOGY... The pathology of the nervous system is studied, and altered structure and function are correlated.

Professor Vogel. 33 hours.

CLINICAL PATHOLOGICAL CONFERENCES... These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

ELECTIVE COURSES... A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of the several fields to be determined by consultation with the heads of the departments. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months and may be continued into the summer.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics (*Chairman*)

ARTHUR F. ANDERSON, Professor of Clinical Pediatrics

CARL H. SMITH, Professor of Clinical Pediatrics

LEONA BAUMGARTNER, Associate Professor of Clinical Pediatrics

MARGARET DANN, Associate Professor of Pediatrics

HAROLD W. K. DARGEON, Associate Professor of Clinical Pediatrics

PAUL F. DE GARA, Associate Professor of Clinical Pediatrics (Allergy)

HEINZ F. EICHENWALD, Associate Professor of Pediatrics

MARY A. ENGLE, Associate Professor of Pediatrics
 JOHN E. FRANKLIN, Associate Professor of Clinical Pediatrics
 HENRY P. GOLDBERG, Associate Professor of Clinical Pediatrics
 EDMUND N. JOYNER III, Associate Professor of Clinical Pediatrics
 HEDWIG KOENIG, Associate Professor of Clinical Pediatrics
 BARBARA M. KORSCH, Associate Professor of Pediatrics
 MILTON I. LEVINE, Associate Professor of Clinical Pediatrics
 M. LOIS MURPHY, Associate Professor of Pediatrics
 CHARLES H. O'REGAN, Associate Professor of Clinical Pediatrics
 MARJORIE A. WHEATLEY, Associate Professor of Clinical Pediatrics

HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics
 BARBARA S. ASHE, Assistant Professor of Pediatrics
 SAMUEL R. BERENBERG, Assistant Professor of Clinical Pediatrics
 OTTO E. BILLO, Assistant Professor of Clinical Pediatrics
 SAMUEL W. DOOLEY, Assistant Professor of Clinical Pediatrics
 ROBERT O. DuBOIS, Assistant Professor of Clinical Pediatrics
 NATHAN EPSTEIN, Assistant Professor of Clinical Pediatrics
 MARION E. ERLANDSON, Assistant Professor of Pediatrics
 MARVIN J. GERSH, Assistant Professor of Clinical Pediatrics
 MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics
 JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics
 GEORGE S. HARRIS, Jr., Assistant Professor of Clinical Pediatrics
 FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics
 MARGARET M. KUGLER, Assistant Professor of Clinical Pediatrics
 WAN NGO LIM, Assistant Professor of Pediatrics
 FLORENCE N. MARSHALL, Assistant Professor of Clinical Pediatrics
 ROBERT G. McGOVERN, Assistant Professor of Clinical Pediatrics
 MARION McILVEEN, Assistant Professor of Clinical Pediatrics
 JOAN E. MORGENTHAU, Assistant Professor of Clinical Pediatrics
 MADOKA SHIBUYA, Assistant Professor of Clinical Pediatrics
 HENRY R. SHINEFIELD, Assistant Professor of Pediatrics
 MARTHA L. SMITH, Assistant Professor of Clinical Pediatrics
 GERTRUDE S. STERN, Assistant Professor of Pediatrics
 MAXWELL STILLERMAN, Assistant Professor of Clinical Pediatrics
 LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics
 STANLEY S. ZIPSER, Assistant Professor of Clinical Pediatrics

Instructors:

Richard R. Bass	Margaret T. Grossi	Rebecca F. Notterman
Charles H. Bauer	Margaret W. Hilgartner	Virginia E. Pomeranz
Ann McA. Birch	Ingeborg S. Hoffman	Marilyn G. Porter
Mary C. Buchanan	Tomiko Ito	Arthur O. Stein
Walter T. Carpenter	Phyllis H. Kotcen	Charlotte Tan
Leon I. Charash	Margaret S. Lyman	Peter S. Tolins
Ruth Cudmore	Armond V. Mascia	Alvah M. Weiss
Alan P. DeMayo	Virginia Mitty	
Joseph H. DiLeo	Maria I. New	

Research Associates:

Katherine Cobb	Olga Kotsevalov	Helen McNamara
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Fellows:

Chung Hun Choy	Leonore S. Levine	Lawrence A. Susser
Ursula Muller-Eberhard	Melville G. Magida	
Kathryn H. Ehlers	John C. Ribble	

Assistants:

Marvin Boris	Sherburne C. Brown	Benedict S. Caterinicchio
Jo Anne Brasel	June M. Cardullo	John M. Doyle

Philip W. H. Eskes
Jordan W. Finkelstein
Allen P. Hartman

Howard Schreiber
David I. Smith
Lawrence A. Susser

Jerome M. Torsney
Thornton A. Vandersall

Research Assistant: Elizabeth V. New

THIRD YEAR... A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children and principles of nutrition with application to infant feeding, with patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The work of the clinical clerkship includes attendance at cardiac clinics and at departmental conferences. Special rounds and seminars are arranged for the benefit of the clerks. Instruction in contagious disease is given at The New York Hospital. Total hours, 205.

FOURTH YEAR... The clinical lectures are continued through part of the fourth year and are closely integrated with the fourth year lectures in internal medicine. Many of the students' activities are a part of the Comprehensive Care and Teaching Program (see page 56). Students are assigned to the outpatient department in the mornings, where they are given supervised responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars is held under the supervision of senior staff members. Emphasis is placed on the psychological aspects of pediatrics and the measures which can be taken to promote proper growth and development. Both in the General Pediatric Clinics and the Well Baby Clinics students are given the opportunity for longitudinal follow-up of individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Under supervision students make home visits to patients with acute and chronic illness and give medical care in the home as indicated. Trips to inspect community resources are planned in relation to patient referrals. Cooperation with the department of obstetrics makes possible contacts with mothers during the antepartum and lying-in period. Total hours, 86.

ELECTIVE COURSES... Elective courses are offered to fourth year students. These include the General Pediatric Clinics, Isolation Unit, some special Pediatric Clinics, and work in the Division of Child Development.

PHARMACOLOGY

WALTER F. RIKER, Jr., Professor of Pharmacology
HARRY GOLD, Professor of Clinical Pharmacology

WALTER MODELL, Associate Professor of Pharmacology
JANET TRAVELL, Associate Professor of Clinical Pharmacology

JOSEPH F. REILLY, Assistant Professor of Pharmacology

JAY ROBERTS, Assistant Professor of Pharmacology

FRANK G. STANDAERT, Assistant Professor of Pharmacology

Research Fellows:

Amir Askari
William C. Beaver
Edel Berman

Edmund Gaughan
Argyrios J. Golfinos
E. Arthur Livingston

SECOND YEAR . . . Laboratory work, demonstrations, seminars, and lectures are given during the first term of the second year and constitute the basic course in pharmacology. The purpose of these exercises is to teach the principles of pharmacology. Detailed consideration is given to the parameters of drug action so as to provide the student with the fundamental concepts essential for the evaluation of any drug. Consequently emphasis is placed on the scientific basis of pharmacology without particular reference to a systematic consideration of drugs or their applications. Rather, prototype substances serve to illustrate several mechanisms and parameters of drug action. 121 hours.

During the second trimester of the second year, the course in pharmacology is continued with two weekly lectures. In this phase of instruction systematic consideration is given to the pharmacologic properties of the more important drugs in current use. Therapeutic applications are not considered except where they uniquely illustrate pharmacologic characteristics. 22 hours.

FOURTH YEAR . . . Weekly seminars are held by the Pharmacology Department during the course in Comprehensive Medicine. The aim of these seminars is to review the pharmacologic properties of selected drugs and from this to ascertain the utility and limitations of these drugs in given clinical situations. Topics for discussion are determined chiefly by student choice. 11 hours.

ELECTIVE COURSES

SECOND YEAR . . . An elective course is offered in the third trimester of the second year. In this, the student may have the opportunity either to ascertain the pharmacologic profile of newer drugs, through application of principles introduced in the basic course, or to clarify, through research, some particular aspect of drug action. Scheduled seminars serve as a means for presentation and critical discussion of studies in progress. These activities are supervised closely by staff members and oriented as a graduate course. Consequently registration is limited. 220 hours.

PHYSIOLOGY AND BIOPHYSICS

ROBERT F. PITTS, Professor of Physiology

CHARLES B. B. DOWNMAN, Associate Professor of Physiology

GERHARD H. GIEBISCH, Associate Professor of Physiology

ROGER L. GREIF, Associate Professor of Physiology

D. ROBERT AXELROD, Assistant Professor of Physiology

HAROLD G. HEMPLING, Assistant Professor of Physiology

RICHARD H. KESSLER, Assistant Professor of Physiology

SHERMAN KUPFER, Assistant Professor of Physiology

Instructor: Erich E. Windhager

Research Fellows:

Mitzie Canessa Fischer
Sheldon Glabman

Klaus Hierholzer
Robert J. Shalhoub

James C. Strickler
William A. Webber

FIRST YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of muscle and nerve, blood, heart, circulation, digestion, the central nervous system, special senses. The laboratory work one full day a week includes experiments on these subjects. 110 hours.

SECOND YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of respiration, endocrines, kidney, and metabolism. Laboratory exercises one full day a week. 121 hours.

The instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

ELECTIVE COURSES . . . The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. **PHYSIOLOGY**. Fee, \$100 for each term.
2. **PHYSIOLOGICAL RESEARCH**. Subject to special arrangement with head of the department.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry (*Chairman*)
PHYLLIS GREENACRE, Professor of Clinical Psychiatry
ALEXANDER H. LEIGHTON, Professor of Psychiatry (Social Psychiatry)
JAMES H. WALL, Professor of Clinical Psychiatry

FRANCIS J. HAMILTON, Associate Professor of Clinical Psychiatry
LAWRENCE E. HINKLE, JR., Associate Professor of Clinical Medicine in Psychiatry
RICHARD N. KOHL, Associate Professor of Psychiatry
DOROTHEA C. LEIGHTON, Associate Professor of Clinical Psychiatry (Social Psychiatry)

LIVINGSTON WELCH, Associate Professor of Psychology
 HAROLD G. WOLFF, Associate Professor of Psychiatry

CRAIG D. BURRELL, Assistant Professor of Medicine in Psychiatry
 ERIC T. CARLSON, Assistant Professor of Clinical Psychiatry
 HELEN E. DANIELLS, Assistant Professor of Clinical Psychiatry
 FREDERIC F. FLACH, Assistant Professor of Clinical Psychiatry
 ALAN W. FRASER, Assistant Professor of Clinical Psychiatry
 CHARLES C. HUGHES, Assistant Professor of Anthropology in Psychiatry (Social Psychiatry)
 SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology in Psychiatry
 CHARLES A. KNEHR, Assistant Professor of Psychology in Psychiatry
 NORVELLE C. LAMAR, Assistant Professor of Clinical Psychiatry
 THOMAS S. LANGNER, Assistant Professor of Sociology in Psychiatry
 JAMES F. MASTERSON, JR., Assistant Professor of Clinical Psychiatry
 CURTIS T. PROUT, Assistant Professor of Clinical Psychiatry
 LEON L. RACKOW, Assistant Professor of Clinical Psychiatry
 JOSEPH F. REILLY, JR., Assistant Professor of Pharmacology in Psychiatry
 FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry
 ALBERT C. SHERWIN, Assistant Professor of Clinical Psychiatry
 PETER E. STOKES, Assistant Professor of Medicine in Psychiatry
 JOSEPH D. SULLIVAN, Assistant Professor of Clinical Psychiatry
 WILLIAM H. WAINWRIGHT, Assistant Professor of Psychiatry
 NATHANIEL WARNER, Assistant Professor of Clinical Psychiatry

Instructors:

Edward T. Adelson	Lawrence J. Hatterer	George Rosenberg
Arthur A. Anderson, Jr.	Philip S. Herbert, Jr.	Shirley Schaffer
Stuart Ashman	Peter T. Janulis	Marie-Louise Schoelly
James E. Baxter	Francis D. Kane	Donald E. Schultz
A. Louise Brush	Marilyn G. Karmason	Anne M. Shuttleworth
Remo R. Cerulli	M. Dorothea Kerr	Herbert E. Spohn
Eleanor Crissey	Allison B. Landolt	Leonard R. Straub
Lois B. de Alvarado	Ludwig Laufer	Hans Syz
Thomas L. Doyle, Jr.	Alfred B. Lewis, Jr.	Kenneth F. Tucker
G. Renee Ferguson	John F. Marchand	Traer Van Allen
Gerard Fountain	Lillian E. McGowan	Morton L. Wadsworth
John A. Frank	John F. McGrath	Henriette Wayne
M. Freile-Fleetwood	William K. McKnight	Walter D. Woodward
Martin J. Gerson	Alan A. McLean	Arnold S. Zentner
Stephen Goodyear	Maurice Pachter	
Richard S. Green	Philip S. Robbins	

Research Associates:

George A. W. Angus	Jane M. Hughes	William D. Longaker
Roderick A. Armstrong	Edward R. Llewellyn-	Stanley T. Michael
John S. Harding	Thomas	Charles Savage

Research Fellows: Edwin R. Ranzenhofer, Boguchwal Winid

Assistants:

Frederick Baekeland	Theodore H. Finkle	Frank L. Rundle
Ralph D. Baker	Karl G. Fossum	Thomas H. Smith
Rosalie M. Barr	Edward Y. Liang	Sylvia G. Traube
Adaleen E. Burnett	Rene C. Mastrovito	Joseph W. Verhey
John W. Delano	Robert S. McCully	Peter G. Wilson
Samuel V. Dunkell	Ira B. Pauly	

Research Assistants:

Norman Dain	David B. Macklin	Renee Vallee
Alice L. Longaker	Lionel Vallee	

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital, in the Comprehensive Care and Teaching Program, and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR: PERSONALITY DEVELOPMENT . . . Acquaints the student with the development and methods of study of the normal personality. Lectures and seminars are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 33.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION . . . The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic. Offers practical experience in interviewing and history taking and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY . . . Intended to clarify the descriptive and dynamic aspects of the major types of psychiatric disorders in such a way that the student will be able to formulate goals and method of treatment in all patients. The program includes lectures, seminars, and case discussions. Students examine and follow in-patients at the Payne Whitney Psychiatric Clinic; in addition, patients from the general hospital are reviewed. Total hours, 33.

FOURTH YEAR: CLINICAL PSYCHIATRY . . . In the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. Offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Total hours, 99.

ELECTIVE WORK . . . Opportunities for elective work are provided in the in- and outpatient departments, in the laboratories of the Payne Whitney Psychiatric Clinic, and in the department of social psychiatry, with emphasis on community psychiatry and epidemiology of mental illness, and at the Westchester Division of the New York Hospital, White Plains, N.Y.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

WALSH McDERMOTT, Livingston Farrand Professor of Public Health and Preventive Medicine
 LEONA BAUMGARTNER, Professor of Clinical Public Health and Preventive Medicine
 WILLIAM T. INGRAM, Visiting Professor of Engineering in Public Health and Preventive Medicine

EDWIN D. KILBOURNE, Associate Professor of Public Health and Preventive Medicine

JOHN J. ADAIR, Assistant Professor of Social Anthropology in Public Health and Preventive Medicine

SAMUEL R. BERENBERG, Assistant Professor of Clinical Public Health and Preventive Medicine

BEATRICE B. BERLE, Assistant Professor of Clinical Public Health and Preventive Medicine

AARON D. CHAVES, Assistant Professor of Clinical Public Health and Preventive Medicine

MURRAY DWORETZKY, Assistant Professor of Clinical Public Health and Preventive Medicine

AUGUST H. GROESCHEL, Assistant Professor of Public Health and Preventive Medicine

B. H. KEAN, Assistant Professor of Parasitology in Public Health and Preventive Medicine

ANN P. KENT, Assistant Professor of Clinical Public Health and Preventive Medicine

JAMES R. McCARROLL, Assistant Professor of Public Health and Preventive Medicine

ROBERT M. McCUNE, Assistant Professor of Public Health and Preventive Medicine

PHILIP OLLSTEIN, Assistant Professor of Clinical Public Health and Preventive Medicine

MELVIN S. SCHWARTZ, Assistant Professor of Biometrics in Public Health and Preventive Medicine

Instructors:

Margaret Dressler

Gladys L. Hobby

James H. Ewing

William Loery

Thomas S. Moulding

Jerome L. Schulman

Robert P. Sim

Richard S. Usen

Research Associate: Mathilde Krim

Research Fellows:

William Anderson

Eric J. Cassell

Richard W. Roberts

Michael A. Rosenbluth

Lecturer: Milton L. Zisowitz (Medical Writing)

The teaching aim of the department of public health and preventive medicine is to assist the student to recognize the relationship between his expanding capital of medical theory and knowledge and the medical problems of the time. Of necessity, this involves the consideration of certain questions, in terms more general than those pertaining to an individual patient, but the medical problems of certain patients may also be profitably considered in relation to the times in which they live.

The courses start at the beginning of the second year and are continued throughout the third and fourth years.

SECOND YEAR: PARASITOLOGY . . . The first course is in diseases caused by the larger parasites that are particularly prevalent in so-called economically underdeveloped areas.

Given by Dr. B. H. Kean and his associates during the first trimester of the school year. Dr. Kean is Consultant in Tropical Diseases to the New York Hospital and has had extensive field experience in the tropics. The important larger parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is

placed on the clinical aspects of the various diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed. Actual cases of parasitic diseases are used to illustrate the laboratory exercises and the lectures.

Each Thursday afternoon during the second trimester of the second year, a lecture or demonstration is presented from 2 to 3 p.m., and the laboratory exercises are then carried on from 3 to 5 p.m. Total hours, 33.

SECOND YEAR: EPIDEMIOLOGY . . . During the second trimester of the year an introduction to epidemiology is given under the direction of Dr. James McCarroll. Emphasis is placed on patterns of disease occurrence and spread in the population, and consideration of the intimate relationship between the nature of a community and its disease problems. Some of the teaching in biometrics is also given in this course, which is held each Monday afternoon from 2 to 3 p.m. throughout the second trimester. Total hours, 11.

THIRD YEAR . . . The course in the third year is divided into two parts: (A) morning lectures; and (B) field trips followed by seminars.

The morning lectures are held every Friday throughout the year. Both the seminars and the lectures are devoted to consideration of general questions of a clear medical import which may be expected to represent major problems to the students' future patients and to himself. Except for the morning lectures, the teaching is all conducted with groups of 7 to 14 students. Total seminars and section work, 36 hours; total morning clinics, 33 hours.

FOURTH YEAR . . . The teaching program in the fourth year is centered in the Comprehensive Care and Teaching Program in the Medical Clinic. One of the full-time members of the department is a regular member of the teaching staff of the CCTP program and serves to coordinate the teaching activities of the other departmental members in the program. In addition, a series of 5 seminars are held during each one half year. Total hours, 14.

ELECTIVE COURSES

EPIDEMIOLOGY AND INFECTIOUS DISEASES . . . Experimental work and problems related to virology, immunology, and chronic bacterial infection may be undertaken when feasible in the Division of Virus Research or other laboratories of the department of public health and preventive medicine. In addition, problems in practical epidemiology of infectious and noninfectious disease may be undertaken. Studies involving library scholarship may be pursued in any of the foregoing categories under guidance of faculty members of the department.

MEDICAL PARASITOLOGY . . . Intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

NAVAJO RESERVATION . . . An opportunity is provided for a small number of fourth year students to work under supervision during their elective quarter as externs at the Navajo-Cornell-Many Farms Project in Arizona. The field program is subject to the current availability of funds and housing.

RADIOLOGY

JOHN A. EVANS, Professor of Radiology (Chairman)

JAMES J. NICKSON, Professor of Radiology

ROBERT S. SHERMAN, Professor of Clinical Radiology

HAROLD L. TEMPLE, Professor of Clinical Radiology

HARRY W. BURNETT, Associate Professor of Radiology

NATHANIEL FINBY, Associate Professor of Radiology

ULRICH K. HENSCKE, Associate Professor of Clinical Radiology

RALPH F. PHILLIPS, Associate Professor of Clinical Radiology

ISRAEL STEINBERG, Associate Professor of Clinical Radiology

THANE ASCH, Assistant Professor of Radiology

DAVID V. BECKER, Assistant Professor of Radiology

CHARLES W. BREIMER, Assistant Professor of Clinical Radiology

EUGENE BRONSTEIN, Assistant Professor of Clinical Radiology

FLORENCE CHIEN HWA-CHU, Assistant Professor of Clinical Radiology

KUO YORK CHYNN, Assistant Professor of Radiology

F. MITCHELL CUMMINS, Assistant Professor of Clinical Radiology

ELIZABETH FOCHT, Assistant Professor of Radiology (Physics)

ROBERT H. FREIBERGER, Assistant Professor of Clinical Radiology

MORDECAI HALPERN, Assistant Professor of Radiology

GEORGE JASPIN, Assistant Professor of Clinical Radiology

MARVIN LORING, Assistant Professor of Radiology

ZUHEIR MUJAHED, Assistant Professor of Radiology

NATHAN POKER, Assistant Professor of Radiology

SAMUEL SEAL, Assistant Professor of Clinical Radiology

HENRY M. SELBY, Assistant Professor of Clinical Radiology

STEPHEN WHITE, Assistant Professor of Clinical Radiology

Instructors:

Arnold Bajek

Arnold Berrett

Harold Chiat

Paul Duchesneau

Arthur Hutner

Ruben Pochaczewsky

Ruth E. Snyder

Assistants:

Morton Bosniak

Walter Byck

Marvin Eisenberg

Harold Goldman

David Hayt

Peter Tillotson

Albert Weinfeld

Vito J. Zupa

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgen diagnosis and radiation therapy are given to the fourth year class.

ELECTIVES: FOURTH YEAR

(1) *X-RAY CLINICAL CLERKSHIP*... A limited number of students are accepted to observe, and assist, where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11 a.m. to 12 m. The second session, from 1 to 2 p.m., is limited to a review of the current examinations of the gastrointestinal tract.

(2) *TECHNIQUE OF FLUOROSCOPY*... Two hours. Limited to six students. Arrangements to be made through the department head.

(3) *GASTROINTESTINAL FLUOROSCOPY AND FILM INTERPRETATION*... One month. Limited to six students at any one time.

SURGERY

FRANK GLENN, Lewis Atterbury Stimson Professor of Surgery (*Chairman*)

JOSEPH F. ARTUSIO, JR., Professor of Anesthesiology in Surgery

HERBERT E. CONWAY, Professor of Clinical Surgery (Plastic Surgery)

CRANSTON W. HOLMAN, Professor of Clinical Surgery

VICTOR F. MARSHALL, Professor of Clinical Surgery (Urology)

JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology)

S. W. MOORE, Professor of Clinical Surgery

BRONSON S. RAY, Professor of Clinical Surgery (Neurosurgery)

T. CAMPBELL THOMPSON, Professor of Clinical Surgery (Orthopedics)

PRESTON A. WADE, Professor of Clinical Surgery

WILLIAM A. BARNES, Associate Professor of Clinical Surgery

JOHN M. BEAL, Associate Professor of Clinical Surgery

EUGENE E. CLIFFTON, Associate Professor of Clinical Surgery

JOHN R. COBB, Associate Professor of Clinical Surgery (Orthopedics)

WILLIAM COOPER, Associate Professor of Clinical Surgery (Orthopedics)

WILLIAM A. COOPER, Associate Professor of Clinical Surgery

NELSON W. CORNELL, Associate Professor of Clinical Surgery

PETER DINEEN, Associate Professor of Clinical Surgery

JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology)

EDWARD A. DUNLAP III, Associate Professor of Clinical Surgery (Ophthalmology)

JOHN H. ECKEL, Associate Professor of Clinical Surgery

GEORGE F. EGAN, Associate Professor of Clinical Surgery (Dentistry)

JOHN T. ELLIS, Associate Professor of Pathology in Surgery

GEORGE R. HOLSWADE, Associate Professor of Clinical Surgery

S. FARRAR KELLEY, Associate Professor of Clinical Surgery (Otolaryngology)

ERNEST W. LAMPE, Associate Professor of Clinical Surgery

FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics)
 BENJAMIN E. MARBURY, Associate Professor of Anesthesiology in Clinical Surgery
 ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology)
 JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology)

WILLIAM F. NICKEL, JR., Associate Professor of Clinical Surgery
 HERBERT PARSONS, Associate Professor of Clinical Surgery (Neurosurgery)
 ROBERT L. PATTERSON, Associate Professor of Clinical Surgery (Orthopedics)
 LEE R. STRAUB, Associate Professor of Clinical Surgery (Orthopedics)
 F. STEPHEN VOGEL, Associate Professor of Pathology in Surgery
 LEWIS C. WAGNER, Associate Professor of Clinical Surgery (Orthopedics)
 JOHN P. WEST, Associate Professor of Clinical Surgery

IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics)
 STANLEY J. BEHRMAN, Assistant Professor of Clinical Surgery (Dental Surgery)
 ANNE M. BELCHER, Assistant Professor of Clinical Surgery (Otolaryngology)
 FRANCIS A. BENEVENTI, Assistant Professor of Clinical Surgery (Urology)
 PAUL W. BRAUNSTEIN, Assistant Professor of Clinical Surgery
 CHARLES BURSTEIN, Assistant Professor of Anesthesiology in Clinical Surgery
 ROLLA D. CAMPBELL, JR., Assistant Professor of Clinical Surgery (Orthopedics)
 GEORGE N. CORNELL, Assistant Professor of Clinical Surgery
 J. EDWIN DREW, Assistant Professor of Clinical Surgery (Urology)
 HOWARD S. DUNBAR, Assistant Professor of Clinical Surgery (Neurosurgery)
 GEORGE A. FIEDLER, Assistant Professor of Clinical Surgery (Urology)
 HAROLD GENVERT, Assistant Professor of Clinical Surgery
 HELENA GILDER, Assistant Professor of Biochemistry in Surgery
 DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology)
 ALEXANDER HERSH, Assistant Professor of Clinical Surgery (Orthopedics)
 JAMES M. HOLMAN, Assistant Professor of Clinical Surgery (Otolaryngology)
 GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology)
 D. REES JENSEN, Assistant Professor of Clinical Surgery
 VANSEL S. JOHNSON, Assistant Professor of Clinical Surgery
 RICHARD C. KARL, Assistant Professor of Clinical Surgery
 JOSEPH T. KAUER, Assistant Professor of Clinical Surgery
 EDWARD B. C. KEEFER, Assistant Professor of Clinical Surgery
 BERNARD MAISEL, Assistant Professor of Clinical Surgery
 VICTOR MAYER, Assistant Professor of Clinical Surgery (Orthopedics)
 VALENTINO D. B. MAZZIA, Assistant Professor of Anesthesiology in Clinical Surgery
 JOHN H. McGOVERN, Assistant Professor of Clinical Surgery (Urology)
 FRANK J. McGOWAN, Assistant Professor of Clinical Surgery
 FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology)
 LAURENCE MISCALL, Assistant Professor of Clinical Surgery
 JAMES A. NICHOLAS, Assistant Professor of Clinical Surgery (Orthopedics)
 S. FRANK REDO, Assistant Professor of Surgery
 ERIC C. RICHARDSON, Assistant Professor of Clinical Surgery (Ophthalmology)
 PETER C. RIZZO, Assistant Professor of Clinical Surgery (Orthopedics)
 NIRMAL K. SARKAR, Assistant Professor of Surgery (Biochemistry)
 JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery
 ROBERT I. SCHRIER, Assistant Professor of Clinical Surgery
 DONALD M. SHAFER, Assistant Professor of Clinical Surgery (Ophthalmology)
 STUART S. SNYDER, Assistant Professor of Clinical Surgery (Ophthalmology)
 BJORN THORBJARNARSON, Assistant Professor of Surgery
 MARJORIE J. TOPKINS, Assistant Professor of Anesthesiology in Surgery
 FRANCIS P. TWINEM, Assistant Professor of Clinical Surgery (Urology)
 GEORGE E. WANTZ, Assistant Professor of Clinical Surgery
 PHILIP D. WILSON, JR., Assistant Professor of Clinical Surgery (Orthopedics)

Instructors:

Jacob Applebaum
 Irving Baras
 Leonard Biel, Jr.

Mitchell Brice
 Thomas I. Carey
 Robert L. Clarke

Edward C. Coats
 Elizabeth F. Constantine
 Carleton M. Cornell

Robert D. Deans
Wade Duley
David A. Eaton
Herbert L. Erlanger
Andrew P. Ferry
Edgar P. Fleishmann
William C. Frederick
Milton Gabel
Miles A. Galin
Dicran Goulian, Jr.
Harry Grabstald
James L. Green
Eugene J. Guenard
Charles K. Hamilton
John H. Hayes
Bruce R. Heintzen
Ira H. Kaufman
James T. Kelly

John G. Keuhnelian
Russell W. Lavengood, Jr.
Howard W. Lowery
Alfred E. Mamelok
George B. Magruder
Mary H. Markham
George R. Monahan
Gerald J. Millstein
George C. Mueller
Juan Negrin
William J. Nelson
John B. Ogilvie
Arthur J. Okinaka
Earl A. O'Neill
Russel H. Patterson, Jr.
Charles W. Pearce
Walter L. Peretz
Morris Schnittman

Michael Sierp
Paul A. Skudder
James W. Smith
Martin Spatz
David S. Speer
John F. Struve
Irvin S. Taylor
Hans G. Therhag
Francis M. Tiers
Alan Van Poznak
Philip H. Voorhees
Willis M. Weeden
John C. Whitsell II
Roy J. Wiggans, Jr.
Arthur W. Wyker, Jr.
Robert B. Zufall

Research Associate: Ronald W. Gillette

Assistants:

John C. Alden
Edward P. Baker, Jr.
Francis F. Bartone
Arthur R. Beil, Jr.
Carl M. Beiles
John J. Beirne
David Kip Berler
Burton L. Berson
Richard E. Boden
Donald L. Bricker
C. Elton Cahow
Julius Conn, Jr.
Margaret M. Deitzler
Arnold G. Diethelm
Joseph P. Dineen
Charles B. Dunaif
Roger R. Ecker
Ames L. Filippone
Charles F. Frey
Frederick W. Fuller

Pierre-Paul Gagnon
William R. Grafe
Raymond-Marie Guay
Peter M. Guida
Maury L. Hanson
Stanley L. Harris
Ann Huston
Yasuo Kakehi
William F. Kearney, Jr.
Richard B. Knapp
Eugene M. Lance
Raynald Lavoie
Ralph J. Lewis
Melvin G. Lund
J. Bruce McGovern
George H. McLeod
Charles K. McSherry
Robert G. Merin
Richard G. Middleton
Peter J. Montemarano

Frank G. Moody
Edward C. Muecke
Edward H. Murphy
Thomas M. Nardozzo
William S. Owen
Henry Pauls
John M. Pitman, Jr.
James D. Prokop
Anthony J. Puleo
Waid Rogers
John F. Rose
Robert C. Runyon
Edward Tarabulcy
John F. Tulenko
Liebert S. Turner
Myron P. Walzak, Jr.
Genevieve Wellbaum
John R. Woodard
Peter Wei Ting Yu

Research Assistant: Hugo D. Nano

MEMORIAL HOSPITAL

HENRY T. RANDALL, Professor of Surgery

ALEXANDER BRUNSCHWIG, Professor of Clinical Surgery

MICHAEL R. DEDDISH, Associate Professor of Clinical Surgery

JOSEPH H. FARROW, Associate Professor of Clinical Surgery

EDGAR L. FRAZELL, Associate Professor of Clinical Surgery

WILLIAM S. HOWLAND, Associate Professor of Anesthesiology in Surgery

GORDON McNEER, Associate Professor of Clinical Surgery

GEORGE T. PACK, Associate Professor of Clinical Surgery

WILLIAM L. WATSON, Associate Professor of Clinical Surgery

WILLET F. WHITMORE, JR., Associate Professor of Clinical Surgery (Urology)

J. WELDON BELLVILLE, Assistant Professor of Anesthesiology in Surgery

ROBERT J. BOOHER, Assistant Professor of Clinical Surgery

C. PAUL BOYAN, Assistant Professor of Anesthesiology in Surgery
 WILLIAM G. CAHAN, Assistant Professor of Clinical Surgery
 HOLLON W. FARR, Assistant Professor of Clinical Surgery
 JOSEPH G. FORTNER, Assistant Professor of Clinical Surgery
 NORMAN L. HIGINBOTHAM, Assistant Professor of Clinical Surgery
 WALTER LAWRENCE, Jr., Assistant Professor of Clinical Surgery
 LUCILE LOSEKE, Assistant Professor of Clinical Surgery
 JOHN L. POOL, Assistant Professor of Clinical Surgery
 GUY F. ROBBINS, Assistant Professor of Clinical Surgery
 OLGA SCHWEIZER, Assistant Professor of Anesthesiology in Surgery
 MAUS W. STEARNS, Jr., Assistant Professor of Clinical Surgery

Instructors:

Lemuel Bowden
 Richard J. Brasfield
 Charles N. Breed, Jr.
 Daniel Catlin
 Donald G. C. Clark
 William W. Daniel
 James C. Di Lorenzo
 Alfred A. Fracchia
 Kenneth C. Francis
 Frank P. Gerold

John T. Goodner
 Charles C. Harrold, Jr.
 Ralph E. L. Hertz
 Arthur I. Holleb
 Suzanne A. L. Howe
 Rita G. Jacobs
 John S. Lewis
 John C. Lucas, Jr.
 Charles J. McPeak
 Ann H. Miller

Theodore R. Miller
 Oliver S. Moore
 Elisabeth P. Pickett
 Stuart Quan
 Beatrice Selvin
 Joanne R. Smith
 Reuven K. Snyderman
 H. Randall Tollefsen
 Jerome A. Urban

GENERAL SURGERY

SECOND YEAR... Instruction for the undergraduate begins in the third trimester of the second year, with a course "Introduction to Surgery," consisting of eleven two-hour sessions. In the first of these sessions the class is instructed on matters of examination that are particularly relevant to surgical problems of various areas of the body. The students are then assigned to patients who illustrate these conditions, to take a history and do a complete examination. In the latter part of each session the case is reviewed by a senior member of the surgical staff with the student. These serve as a very effective introduction to clinical work in surgery.

THIRD YEAR... In the third year the entire class attends a clinic, conducted by the head of the department or his immediate associates, at 8:30 every Wednesday morning. Usually two patients are shown as examples of one clinical entity. Three students are selected at the beginning of the hour to participate in the discussion as it is directed by the instructor. During the school year a total of thirty-three of these clinics is held. Those subjects are presented that lend themselves to enunciating general problems and principles of surgical therapy.

The third year class is divided into three sections. One section is assigned each term to surgery. In this period of twelve weeks the students are assigned to the clinics in the out-patient department of general surgery and the surgical specialties. Here they gain a broad experience with patients who are considered for surgical therapy. In general surgery they work in the diagnostic clinic, where they are assigned new patients, taking a full history and doing a complete physical examination. Each case is presented to an attending surgical instructor; the differential diagnosis, diagnostic procedures, and therapy are discussed. These patients are seen on return visits by the same student in order that the results of diagnostic procedures and clinical course may be determined first-hand and definitive therapy decided upon in consultation with a staff member.

In the minor surgical clinic of General Surgery, as much responsibility as possible is given to the student in the treatment of infections, management and dressing of wounds, and the examination of patients who have had major surgical procedures in the hospital. During the term the students are assigned in rotation to the specialty clinics of orthopedics, urology, otolaryngology, ophthalmology, and fractures, where they receive instruction in special methods of diagnosis and have opportunity to observe therapy among the ambulatory patients.

A course in operative surgery on animals occupies one morning each week. The section is divided into operating teams of four: a surgeon, an anesthetist, a first assistant, and a scrub nurse. The students rotate positions for the performance of twelve selected surgical procedures. The animals (dogs) are the patients and are accorded pre- and postoperative care by the students simulating that of patients in the hospital. The course is designed to acquaint the students with what surgical operations entail and to emphasize the fundamental principles of anesthesia, asepsis, hemostasis, and wound healing.

Four times weekly, lectures and demonstrations are presented to the group, dealing with clinical problems encountered in the activities of the out-patient department.

The program of the third year is based upon the concept that general surgery, in contradistinction to general medicine, is in a sense a specialty. Patients requiring surgical therapy must be selected with consideration of other forms of therapy. It is our belief that the medical student needs, early in his training, to become aware of this. It is important that we have a feeling of the background from which surgical patients come. The widest possible experience that we can provide a student with which to attain such an objective is to have him rotate through the general surgical and specialty clinics of the out-patient department. Not only does this provide a background for the source of patients, but also it affords an opportunity for him to see what surgical therapy may accomplish, and to see its associated complications that are to be observed in the minor surgical dressing clinics where patients return following surgery that has been performed within the hospital.

It is the intent that the student during his third year will learn the scope of surgery in therapy and diagnosis. At the same time he should become aware of the risks and complications commonly associated with it. If these two objectives are attained, then the student has a sound basis for selecting surgical therapy where indicated. This may be the beginning of the sense of discrimination in the selection of proper treatment so important in the armamentarium of a physician, regardless of his special interest, be it in general practice or a specialty.

FOURTH YEAR . . . In the fourth year the medical student becomes a clinical clerk on the surgical pavilions. The class is divided into six equal groups, each group serving for a term of approximately eight weeks, during which time they have no other responsibilities than those in surgery. As a clinical clerk the student participates in the management of patients by obtaining a complete history and performing a physical examination and laboratory determinations on patients assigned to him. He has an opportunity to participate in the differential diagnosis and preoperative preparation. When the patient is operated upon, the student may act as a member of the operating team. He has an oppor-

tunity to see at first-hand the pathological condition for which operation was undertaken. He has specific responsibilities in the postoperative care of the patient. Thus the fourth year student is, in a sense, an intern under supervision. He attends the rounds held by the resident staff and members of the senior staff:

FRACTURE CONFERENCE. In the late afternoon on Tuesday a conference conducted by the senior and resident staff, reviewing the fracture patients, is attended and participated in by the surgical clinical clerks.

GRAND ROUNDS. From 9 to 10:30 on Saturday mornings clinical clerks attend grand rounds together with the entire resident and senior staff of the department. The problems presented are selected for their teaching value from the surgical specialties and general surgery.

EMERGENCY SERVICE. The clinical clerks on the surgical pavilions are rotated in pairs to the emergency service where they are on call with the resident staff. This is a very active unit of the hospital during the hours when the out-patient clinics are closed—from 5 p.m. to 9 a.m., Monday through Friday, and over the weekend. The wide range of conditions requiring emergency or urgent measures seen by the clinical clerk is a valuable experience.

PATHOLOGY CONFERENCE. Once a week a two-hour conference is devoted to surgical pathology. Surgical specimens removed in the operating room are reviewed, and also microscopic slides are studied.

NOON CLINICAL CONFERENCE. Five times a week a clinical conference is held at the bedside. Diagnosis, pre- and postoperative care, and complications in general surgery and the specialties are discussed.

SEMINAR. On Saturdays from 10:30 to 12:30 throughout the term, seminars are held under the supervision of a senior staff member. In these sessions the students present new advancements of surgery. It is the objective of these exercises to place in the hands of the medical student a means of evaluating a new development in surgery so that he as a physician later will be able to better assess in a methodical and critical manner new proposals. Thus he may provide proper guidance for his patients.

By constant and uninterrupted association with "his" patients and those who are caring for them, the student gains direct experience with the normal course following major surgical procedures and with complications as they arise. The value of team work in medical care is vividly apparent to the fourth year student during his clinical clerkship on surgery.

ELECTIVE COURSES

ANESTHESIOLOGY . . . Maximum of two students. Four or eight weeks throughout the year. Daily seminars in the theory of anesthesia are combined with practical experience in the administration of anesthesia. The student may participate under supervision in the operating room in the administration of anesthesia.

SURGICAL RESEARCH LABORATORY . . . Maximum of two students during each term. The students participate in the experimental study of peptic ulcer, cardiovascular surgery, liver disease, and transplantation of tissues. The participa-

tion in experimental operative procedures is stressed. Experiments in surgical physiology may be done in association with members of the surgical staff. Students may also take part in the studies of surgical metabolism and the response of surgical patients to operation. A weekly surgical research meeting is held.

SURGICAL PATHOLOGY . . . Maximum of two students for four or eight weeks throughout the year. A discussion is conducted each morning when the slides are read and the histologic diagnosis is made. An opportunity is provided to assist in the gross examination of the surgical specimens each afternoon. Instruction is given in the technique of frozen sections.

STUDENT CLERKSHIP . . . Individual arrangement may be made to participate in the surgical specialties as substitute interns for four to eight weeks in urology, plastic surgery, neurosurgery, and fractures. Each service has daily teaching rounds and weekly seminars. Experience in patient management and in the operating room is stressed.

SURGICAL PHYSIOLOGY . . . Maximum of four students. Eight weeks' course, throughout the year. Complete study of electrolyte balance. Students participate in clinical patient care under the supervision of attending physicians. Supplemented by lectures and group discussions.

CARDIOVASCULAR SURGERY . . . An opportunity is available for one student each period, to participate in laboratory and clinical use of the extracorporeal pump-oxygenator.

SPECIAL STUDENTS

ALL STUDENTS not registered in Cornell University Graduate School and not registered for the M.D. degree are SPECIAL STUDENTS.

Such students are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree.

Special students are admitted *only by the consent of the head of the department*, must be registered in the Administration Office of the Medical College, and must pay their fees at the Business Office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

FEES

Matriculation Fee	\$10
Administration Fee	\$ 5
Tuition fees vary depending upon the type of work taken. A break-age fee may be required.	

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY:					
Gross Anatomy	257				
Microscopic Anatomy	176				
Neuroanatomy	84				
Developmental Anatomy and Genetics	55				572
BIOCHEMISTRY	220				220
MICROBIOLOGY & IMMUNOLOGY.....		154			154
PHYSIOLOGY	231				231
PATHOLOGY		297			297
PHARMACOLOGY		143		11	154
PHYSICAL DIAGNOSIS*		167			167
MEDICINE:					
Clinical Pathology		77			
Specialties, Clerkship & OPD.....			352	325	
Lectures			33		787
MEDICAL COMPREHENSIVE CARE†.....				300	300
SURGERY:					
Ophthalmology					
Introductory Surgery					
Specialties, Clerkship & OPD.....			352	285	
Lectures			33		670
OBSTETRICS AND GYNECOLOGY:					
Practical Instruction			77	285	
Lectures			66		428
PEDIATRICS:					
Practical Instruction			154	86	
Lectures			33		
Contagious Diseases			18		291
PSYCHIATRY:					
Personality Development	33				
Psychiatry		33	33	66	
Lectures				33	198
PUBLIC HEALTH:					
Parasitology		33			
Field and Section			36	14	
Lectures		11	33		128
RADIOLOGY			30	20	50
ELECTIVE HOURS		165		285	450
TOTALS	1056	1080	1250	1710	5096

* Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.
† The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 300 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

FIRST YEAR SCHEDULE
1960-1961

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
9-10	Microscopic Anatomy	Gross Anatomy	Microscopic Anatomy	Gross Anatomy	Microscopic Anatomy	Microscopic Anatomy			
10-11						Gross Anatomy			
11-12									
12-1			Dev. Anat. & Genetics						
1-2	Biochemistry	Gross Anatomy	Free	Biochemistry	Biochemistry				
2-3	Microscopic Anatomy			Free	Microscopic Anatomy				
3-4									
4-5	Psychiatry								

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10	Gross Anatomy	Physiology	Physiology	Physiology	Dev. Anat. & Genetics	Physiology	
10-11		Gross Anatomy	Dev. Anat. & Genetics	Neuro-anatomy	Gross & * Neuro-anatomy	Psychiatry	
11-12							
12-1							
1-2	Biochemistry						
2-3	Neuro-anatomy	Gross Anatomy	Free	Biochemistry	Biochemistry		
3-4				Psychiatry	Gross Anatomy		
4-5							

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11						
11-12						
12-1						
1-2						
2-3	Biochemistry	Physiology	Free	Physiology	Physiology	
3-4						
4-5	Free				Free	

* Six Sessions Neuro-anatomy and five sessions Gross Anatomy.

SECOND YEAR SCHEDULE
1960-1961

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9–10	Pathology	Pathology	Pharmacology		Pharmacology	Microbiology	
10–11			Microbiology	Pharmacology		Pharmacology	
11–12				Microbiology			
12–1							
1–2							
2–3	Microbiology	Pharmacology	Free	Microbiology	Microbiology		
3–4							
4–5							

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9–10	Pathology	Pathology	Pathology	Pathology	Pathology	Free
10–11						
11–12			Pharmacology			
12–1						
1–2						
2–3	Pb. Hl.	Clinical Pathology	Free	Parasitology	Pharmacology	
3–4	Clinical Pathology				Clinical Pathology	
4–5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neurology (9:00-12:00) Group A	Neurology (9:00-12:00) Group B	Neurology (9:00-12:00) Group C	Neurology (9:00-12:00) Group D	Psychiatry	Elective
10-11	Elective Groups B, C, D	Elective Groups A, C, D	Elective Groups A, B, D	Elective Groups A, B, C		
11-12						
12-1					Neurology Lecture	
1-2						
2-3	Physical Diagnosis *	Physical Diagnosis *	Physical Diagnosis *	Elective	Physical Diagnosis *	
3-4						
4-5						

* Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.

THIRD YEAR SCHEDULE
1960-1961

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Group A: Medicine (1); Ob.-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3). Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb. Hl. (3). Group C: Ob.-Gyn., Ped., Psych., Pb.-Hl. (1); Surgery (2); Medicine (3).					
1-2						
2-3			Free			
3-4						
4-5	C.P.C.					

DETAILED SCHEDULE—HALF TERM (5½ WEEKS)
PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Pediatrics				
1-2						
2-3	Pediatrics	Pediatrics	Free	Pediatrics		
3-4						
4-5						
	C.P.C.					

DETAILED SCHEDULE—HALF TERM (5½ WEEKS)
OBSTETRICS AND GYNECOLOGY, PSYCHIATRY,
PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	
1-2						
2-3		Psychiatry	Free	Psychiatry	Pb. Hl.	
3-4						
4-5	C.P.C.					

FOURTH YEAR SCHEDULE

TWO SEMESTERS (SIX DIVISIONS 22½ WEEKS EACH
JUNE 15 to MAY 20

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	1st Semester Section I Medical Comprehensive Care Section II D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3).			2nd Semester {A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3). Medical Comprehensive Care		
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE
MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	All Groups (9:00-10:00) Lecture	Medicine Pediatrics	All Groups Special Conference
II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S	(10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Sp'ty Elec. Seminar	
Afternoon:						
I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	All Groups (2:00-3:00) Psychiatry (3:00-4:00)	Seminar Sp'ty Elec.	Sp'ty Elec. {Seminar Pediatrics Medicine Psychiatry (4:00-5:00) All Groups Pediatric Grand Rounds	
II { C D	Psychiatry Medicine	Medicine Psychiatry	Com. Care Conf (4:00-5:00) Special Lecture	Psychiatry Medicine		

THE SLOAN-KETTERING DIVISION OF CORNELL UNIVERSITY MEDICAL COLLEGE

BY AGREEMENT dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of The New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

Under this agreement, each party continues under control and management of its respective Board of Trustees or Managers, but there is established a Coordinating Board of eight members, of which two are chosen by each of the parties to this agreement. This Board acts as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and makes recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

Representatives of Memorial Hospital

Reginald G. Coombe

J. Albert Woods

Representatives of Sloan-Kettering Institute

Warren Weaver

Frank L. Horsfall, Jr.

Representatives of Cornell University

Walker L. Cisler, Chairman of the Executive Committee of the Board of Trustees
Deane W. Malott, President of the University

Representatives of the Society of The New York Hospital

Francis Kernan

Frederick K. Trask

EDUCATIONAL PLAN OF INSTRUCTION

The facilities of the Sloan-Kettering Graduate Division consist of a thirteen-story laboratory unit at 410 East 68th Street, New York City, the Polak Building at 112 Pacific Street, Brooklyn, and the Sloan-Kettering Institute Walker Laboratory at 145 Boston Post Road, Rye, New York. Collectively these facilities represent the Sloan-Kettering Institute. The New York City unit is in direct connection with two hospitals: Memorial Hospital, a voluntary institution of 280 beds, and the James Ewing Hospital, a unit of the New York City hospital

system with 270 beds. The Strang Clinic, a building at 419 East 67th Street, New York City, houses the work in preventive medicine in cancer.

The training offered in this division is primarily for advanced students, with the Master's degree or equivalent, working toward the Ph.D. degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields. The conventional disciplines of biochemistry, biophysics, and pathology are represented; in addition, a department entitled Biology and Growth presents lectures and laboratory work in the field of normal and neoplastic growth, areas which do not fall in the usual curricular divisions.

BIOCHEMISTRY

OSCAR BODANSKY, Professor of Biochemistry

GEORGE B. BROWN, Professor of Biochemistry

THOMAS F. GALLAGHER, Professor of Biochemistry

M. EARL BALIS, Associate Professor of Biochemistry

AARON BENDICH, Associate Professor of Biochemistry

LIEBE F. CAVALIERI, Associate Professor of Biochemistry

DAVID K. FUKUSHIMA, Associate Professor of Biochemistry

MARY L. PETERMANN, Associate Professor of Biochemistry

H. LEON BRADLOW, Assistant Professor of Biochemistry

PAUL J. FODOR, Assistant Professor of Biochemistry

JACK J. FOX, Assistant Professor of Biochemistry

ROBERT S. ROSENFELD, Assistant Professor of Biochemistry

JOSEPHINE SALSER, Assistant Professor of Biochemistry

MORTON K. SCHWARTZ, Assistant Professor of Biochemistry

MAURICE E. SHILS, Assistant Professor of Biochemistry

HELEN Q. WOODARD, Assistant Professor of Biochemistry

Research Associates: Jack Fishman, Jerome S. Nisselbaum, Ivan L. Salamon

Intensive study is offered in the fields of enzymology, immunochemistry, chemistry and metabolism of proteins, and nucleoproteins, and chemistry and metabolism of steroids.

Undergraduate prerequisites include courses in inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, mathematics (through calculus). If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Students electing biochemistry as a minor subject are expected to complete the regular medical course in biochemistry or its equivalent, as a minimum requirement.

BIOLOGY AND GROWTH

A. J. DALTON, Visiting Professor of Biology

FREDERICK S. PHILIPS, Professor of Pharmacology

C. CHESTER STOCK, Professor of Biochemistry

GEORGE W. WOOLLEY, Professor of Biology

RALPH K. BARCLAY, Associate Professor of Biochemistry

DONALD A. CLARKE, Associate Professor of Pharmacology

A. R. T. DENUES, Associate Professor of Biology
 LEONARD D. HAMILTON, Associate Professor of Biology
 DORRIS J. HUTCHISON, Associate Professor of Microbiology
 JOHN A. JACQUEZ, Associate Professor of Biology
 WILLIAM L. MONEY, Associate Professor Biology
 ALICE E. MOORE, Associate Professor of Biology
 H. CHRISTINE REILLY, Associate Professor of Microbiology
 HELENE W. TOOLAN, Associate Professor of Pathology
 MARJORIE BASS ZUCKER, Associate Professor of Physiology
 CHARLOTTE FRIEND, Assistant Professor of Microbiology
 JOHN J. HARRIS, Assistant Professor of Biology
 PHILIP MERKER, Assistant Professor of Biology
 WILBUR F. NOYES, Assistant Professor of Biology
 MORRIS N. TELLER, Assistant Professor of Biology

Research Associates: James G. Cappuccino, Louis Kaplan, Francis Sirotnak

Students are directed particularly toward the factors which initiate, control, and modify the growth of normal and neoplastic tissues. Following this orientation, study is offered in pharmacology, experimental cancer chemotherapy, microbiology, endocrinology, genetics, and virology. Brief specialized courses offered include Chemotherapy of Cancer (for physicians and research workers), two weeks in October; Heterologous Transplantation of Human Tumors (for senior investigators), first week of March and of October.

Undergraduate prerequisites include courses in organic chemistry, inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, mathematics (through calculus), anatomy, general biology or general zoology or general botany, general microbiology, pathogenic bacteriology, physiology, cytology, genetics. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Prerequisite graduate courses will be determined for each individual on the basis of his particular area of interest.

BIOPHYSICS

JOHN S. LAUGHLIN, Professor of Biophysics

NATHANIEL BARR, Assistant Professor of Biophysics

EDWARD R. EPP, Assistant Professor of Biophysics

THEODORE HALL, Assistant Professor of Biophysics

IRA PULLMAN, Assistant Professor of Biophysics

Research Associates:

Karin R. Corey

Marvin Rich

Salvatore J. Vacirca

James Van Dyke

Ross Garrett

Graduate work is offered by this department leading to the degrees of Master of Science (in the field of radiation physics) and Doctor of Philosophy (in the field of biophysics).

The course of study leading to the degree of Master of Science in radiation physics trains physicists in the various aspects of production, measurement, and application of radiations. X-ray and electron machines are available with energies ranging from 5 Kev to 25 Mev. Experience is also provided in the handling and use of many different radio-isotopes. The magnitude and variety of facilities and unique radiation projects at the Sloan-Kettering Institute and the Memorial

Hospital are particularly pertinent for training in this area. An important feature is the co-existence of fundamental research and practical and clinical applications in the same Center.

Some of the research projects in biophysics which are pertinent to the Ph.D. program include studies of metabolism of various isotope-labeled compounds in man; the measurement of radiation by calorimetric, radiation-chemical, ionization, or crystal detectors; the experimental measurement of total X-ray, gamma-ray, and electron spectra; the determination of free radical activity in compounds of biological importance by means of electron spin resonance; the determination of trace elements in biologically important compounds; metabolism of biologically important compounds in tissue cultures of human tumor cells.

Undergraduate prerequisites include courses in general physics, electricity and magnetism, mechanics, mathematics (through calculus), and thermodynamics, and acceptable laboratory experience in these fields. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

PATHOLOGY

GILBERT DALLDORF, Professor of Pathology

FRANK W. FOOTE, Professor of Pathology

LEOPOLD G. KOSS, Associate Professor of Pathology

LOUIS G. ORTEGA, Associate Professor of Pathology

STEPHEN S. STERNBERG, Associate Professor of Pathology

JOHN W. BERG, Assistant Professor of Pathology

Research Associate: Frederick H. Shipkey

Special facilities are available for investigation in quantitative cytology and cellular pathology by newer optical methods, cytophysical methods including radio-autography, electron microscopy, ultraviolet and fluorescent microscopy, and X-ray absorption techniques. A regular part of the functions of this department include examinations of the pathologic effects of potential cancer chemotherapeutic agents in laboratory animals.

Study in this department is limited to persons who hold a medical degree and whose experience includes two years of general pathology.

PREVENTIVE MEDICINE

EMERSON DAY, Professor of Preventive Medicine

ERNEST L. WYNDER, Associate Professor of Preventive Medicine

GENEVIEVE BADER, Assistant Professor of Preventive Medicine

WALTER O'DONNELL, Assistant Professor of Preventive Medicine

RICHARD H. OSBORNE, Assistant Professor of Preventive Medicine

LOUIS VENET, Assistant Professor of Preventive Medicine

SAI HOU YING, Assistant Professor of Preventive Medicine

Research Associate: Thomas Zimmer

Opportunity for clinical experience in methods of cancer detection is offered in the Strang Clinic by arrangement with the department head. Training in

cytologic screening and diagnosis is available by special arrangement with the director of the Strang Laboratory of Cytology.

The department offers opportunities for research in early cancer and pre-cancer, cytology, epidemiology of cancer, and biological testing and chemical analyses of environmental agents. Special studies in these fields can be arranged with the appropriate members of the department.

Prerequisites are a degree in medicine or advanced training and experience in the field concerned.

A three- to five-day course, for general practitioners, in the diagnosis and management of early cancer is offered one or more times each year. The dates of each course are announced in hospitals and in medical journals sufficiently in advance to allow for scheduling and preregistration.

INTERNSHIP APPOINTMENTS

CLASS OF 1960

Angelides, Alexander	Bellevue Hospital, 2nd Div. (Surg), New York, N.Y.
Barasch, Kenneth R.	Tripler General Hospital (Rot), Honolulu, Hawaii
Barmak, Ira	Bellevue Hospital, 2nd Div. (Med), New York, N.Y.
Barrett, Elizabeth L.	Parkland Memorial Hospital (Med), Dallas, Texas
Bedell, Rowland H. S.	University of Virginia Hospital (Med), Charlottesville, Va.
Burkholder, George V.	The New York Hospital (Surg), New York, N.Y.
Carey, Michael E.	University of Minnesota Hospital (Surg), Minneapolis, Minn.
Carrington, Charles R.	The New York Hospital (Path), New York, N.Y.
Chandor, Stebbins B.	Bellevue Hospital, 2nd Div. (Mx), New York, N.Y.
Charman, Robert C.	The Genesee Hospital (Med), Rochester, N.Y.
Clark, Richard E.	University of Virginia Hospital (Surg), Charlottesville, Va.
D'Alessio, Donn J.	University of Wisconsin Hospital (Mx), Madison, Wis.
DeParedes, Ramon R. G.	Bronx Municipal Hospital Center (Surg), New York, N.Y.
Ditmars, Donald M., Jr.	Henry Ford Hospital (Rot), Detroit, Mich.
Dodds, Wylie J.	Medical College of Virginia (Med), Richmond, Va.
Dougherty, Joseph C.	Albany Hospital (Med), Albany, N.Y.
Dwyer, John F.	Bellevue Hospital, 2nd Div. (Med), New York, N.Y.
Dyke, Charles J.	Walter Reed Hospital (Rot), Washington, D.C.
Edelman, Martin J.	The New York Hospital (Med), New York, N.Y.
Erdman, Frederick S.	Albany Hospital (Surg), Albany, N.Y.
Erichson, Robert B.	Syracuse Medical Center (Med), Syracuse, N.Y.
Flatow, Frederick A.	St. Luke's Hospital (Mx), New York, N.Y.
Frivold, Wellum P.	Lenox Hill Hospital (Mx), New York, N.Y.
Gardy, Martin	The New York Hospital (Med), New York, N.Y.
Glasser, Lewis	Presbyterian Hospital (Path), New York, N.Y.
Goldstein, Elliot	University of California Hospital (Path), San Francisco, Calif.
Gould, John H.	Boston City Hospital (Ped-Boston University Serv), Boston, Mass.
Hanauer, Lonnie B.	Beth Israel Hospital (Med), Boston, Mass.
Haslam, Kenneth R.	San Diego County Hospital (Rot), San Diego, Calif.
Hayne, Richard	The New York Hospital (Surg), New York, N.Y.
Hayslett, John P.	Grace-New Haven Community Hospital (Med), New Haven, Conn.
Heineman, Robert K., Jr.	Albany Hospital (Surg), Albany, N.Y.
Horn, Don L.	Queen's Hospital (Rot), Honolulu, Hawaii
Horne, Robert H.	The New York Hospital (Surg), New York, N.Y.
Innes, James W.	The New York Hospital (Med), New York, N.Y.
Kartchner, Charles D.	Parkland Memorial Hospital (Rot), Dallas, Texas
Keegan, Caroline J.	Colorado General Hospital (Rot), Denver, Colo.
Kerenyi, Thomas D.	Mount Sinai Hospital (Rot), New York, N.Y.
Kim, Young S.	Kings County Hospital Center (Med), Brooklyn, N.Y.
Kingma, Stuart J.	Henry Ford Hospital (Rot), Detroit, Mich.
Klein, Neil C.	The New York Hospital (Med), New York, N.Y.
Kopff, Richard G., Jr.	St. Vincent's Hospital (Rot), New York, N.Y.
Lewis, Walter M.	The New York Hospital (Med), New York, N.Y.
Libby, John T.	Bellevue Hospital, 2nd Div. (Surg), New York, N.Y.
Lockwood, David W.	Misericordia Hospital (Rot), Philadelphia, Pa.
Lynch, Richard J.	St. Vincent's Hospital (Med), New York, N.Y.
MacKay, Donald N.	The New York Hospital (Med), New York, N.Y.
Marano, Anthony J., Jr.	Bellevue Hospital, 2nd Div. (Med), New York, N.Y.
Marshall, Guy C.	Mary Imogene Bassett Hospital (Rot), Cooperstown, N.Y.
Marshall, James H.	Bellevue Hospital, 2nd Div. (Surg), New York, N.Y.
Mayer, Harry J.	Mary Imogene Bassett Hospital (Rot), Cooperstown, N.Y.
Meyers, Barry E.	George F. Geisinger Memorial Hospital (Rot), Danville, Pa.
Miller, Marshall S.	University of Chicago Clinics (Rot), Chicago, Ill.

Miunick, Charles R.	The New York Hospital (Path), New York, N.Y.
Moore, James L.	Methodist Hospital (Surg), Houston, Texas
Moyle, William D., Jr.	Bellevue Hospital, 2nd Div. (Surg), New York, N.Y.
Murphy, Joseph M.	University of Oregon Hospitals (Rot), Portland, Ore.
O'Hara, David D.	King County Hospital (Rot), Seattle, Wash.
Older, Thomas M.	Roosevelt Hospital (Mx), New York, N.Y.
Olichney, Michael J.	University of Virginia Hospital (Med), Charlottesville, Va.
Penny, John L.	St. Vincent's Hospital (Med), New York, N.Y.
Porter, Henrik P.	University of Wisconsin Hospital (Mx), Madison, Wis.
Post, Robert H.	University Hospitals (Surg), Cleveland, Ohio
Poussaint, Alvin F.	University of California Hospital (Med), Los Angeles, Calif.
Quinton, Keith J.	University of Pennsylvania Hospital (Rot), Philadelphia, Pa.
Rhoads, James P.	University of Oklahoma Hospital (Rot), Oklahoma City, Okla.
Ritter, Richard J.	University Hospital (Rot), Columbus, Ohio
Robbins, David B.	The New York Hospital (Med), New York, N.Y.
Rosh, Melvin	The New York Hospital (Ped), New York, N.Y.
Roughgarden, Jean W.	The Genesee Hospital (Med), Rochester, N.Y.
Sanders, W. Eugene, Jr.	Johns Hopkins Hospital (Med), Baltimore, Md.
Shutkin, Peter M.	Mount Zion Hospital (Rot), San Francisco, Calif.
Smith, John K., Jr.	Bellevue Hospital, 2nd Div. (Med), New York, N.Y.
Spencer, James H., Jr.	University of Chicago Clinics (Rot), Chicago, Ill.
Stahler, Christopher	University Hospital (Mx), Seattle, Wash.
Swan, Kenneth G.	The New York Hospital (Surg), New York, N.Y.
Temple, Richard R.	The Genesee Hospital (Rot), Rochester, N.Y.
Timberger, Robert J.	Bellevue Hospital, 2nd Div. (Med), New York, N.Y.
Togut, Allen J.	St. Luke's Hospital (Mx), New York, N.Y.
Townsend, James C.	University Hospital (Surg), Columbus, Ohio
Urrea, Donald	Mary Imogene Bassett Hospital (Rot), Cooperstown, N.Y.
Webber, William B.	Bellevue Hospital, 2nd Div. (Surg), New York, N.Y.
Wheeler, Mary F.	Kings County Hospital Center (Med), Brooklyn, N.Y.
Winkle, Richard J.	Brooklyn Hospital (Rot), Brooklyn, N.Y.
Wiostko, Emil	Bellevue Hospital, 2nd Div. (Med), New York, N.Y.
Panter, Gideon G.	Research Fellow in Anatomy, Cornell University Medical College, New York, N.Y.

SYMBOLS: Rot—Rotating; Ped—Pediatrics; Med—Medicine; Path—Pathology; Surg—Surgery;
Mx—Mixed.

REGISTER OF STUDENTS, 1960-1961

FOURTH YEAR

Emilio Gutierrez Abello, Jr., B.S. 1957, Univ. of the Philippines	San Juan, Rizal, Philippines
H. Clay Alexander, B.A. 1956, Yale University	Katonah, N.Y.
Alan Norton Arnson, A.B. 1956, Yale University	Shaker Heights, Ohio
Carl George Becker, B.S. 1957, Yale University	Trenton, N.J.
John Armond Bennett, A.B. 1958, University of Utah	Salt Lake City, Utah
Sergio Edward Betancourt, A.B. 1957, Cornell University	Panama City, Panama
John Bradley Bockoven, A.B. 1957, Harvard College	Dayton, Ohio
Arthur Lawrence Boland, Jr., B.A. 1957, Cornell University	Lynn, Mass.
Theodore Vahan Boroian, A.B. 1957, Cornell University	Troy, N.Y.
James Warren Brown, A.B. 1957, Harvard College	New York, N.Y.
Kevin Michael Cahill, A.B. 1957, Fordham College	Bronx, N.Y.
Richard Dennis Chapman, B.A. 1957, Carleton College	Omaha, Nebr.
Joel Louis Colker, B.S. 1957, Yale University	Pittsburgh, Pa.
Robert Hammond Dailey, A.B. 1957, Amherst College	Maplewood, N.J.
Thomas Hammond Dailey, A.B. 1957, Princeton University	Maplewood, N.J.
Gregory Gordon Dimijian, B.S. 1956, Davidson College	Birmingham, Ala.
Richard Lawrence Doyle, A.B. 1957, Fordham College	Bronx, N.Y.
William Kent Drake, A.B. 1957, Carleton College	Kirkwood, Mo.
James Cyril Drennan, A.B. 1957, Cornell University	Pittsfield, Mass.
Marylyn Elizabeth Enck, A.B. 1957, Cornell University	Harrisburg, Pa.
Stephen Edward Epstein, A.B. 1957, Columbia University	Brooklyn, N.Y.
Robert Edward Fear, A.B. 1957, Princeton University	Hackensack, N.J.
David Leonard Fink, B.A. 1957, Columbia University	New York, N.Y.
Donald Alan Fischman, A.B. 1957, Kenyon College	Laurelton, N.Y.
Charles Laurence Flynn, A.B. 1957, Fordham College	Bronx, N.Y.
Donald Tell Fredrickson, B.A. 1957, Syracuse University	Syracuse, N.Y.
J. Gordon Frierson, A.B. 1957, Yale University	New York, N.Y.
James Harvey Gault, A.B. 1957, Amherst College	Pelham Manor, N.Y.
Arnold Fismer Glendinning, A.B. 1954, Harvard College	Bayside, N.Y.
Howard Goldin, A.B. 1957, Amherst College	Yonkers, N.Y.
James Edward Hanchett, B.S. 1957, Wheaton College	Elgin, Ill.
Jeanne Marie Hanchett, B.S. 1956, Wheaton College	Orlando, Fla.
Richard James Hastings, A.B. 1955, Dartmouth College	Cortland, N.Y.
Brack Gillium Hattler, Jr., A.B. 1957, Duke University	Panama City, Panama
C. Anderson Hedberg, A.B. 1957, Harvard College	Chicago, Ill.
Michael Morris Heeg, B.A. 1957, Haverford College	Forest Hills, N.Y.
John Harold Hughes, A.B. 1957, Yale University	Larchmont, N.Y.
James Rohrer Hurley, B.A. 1957, Cornell University	Mamaroneck, N.Y.
O. Adrian Johnson, B.S. 1958, University of Utah	Salt Lake City, Utah
Charles Bronston Jones, Jr., A.B. 1957, Cornell University	Washington, D.C.
Robert Bach Keller, A.B. 1958, Dartmouth College	Middlebury, Vt.
Robert Morton Kerr, B.S. 1952, Bucknell University	Upper Montclair, N.J.
John Lawrence Krause, Jr., B.S. 1957, Queens College	Queens Village, N.Y.
John Jay Kuiper, B.S. 1957, Trinity College	Arlington Heights, Ill.
Paul Thomas Lenio, B.S. 1955, U.S. Military Academy	Rome, N.Y.
Robert Frederic Lindberg, A.B. 1957, Colgate University	Summit, N.J.
Barry Thomas Malin, B.A. 1957, Cornell University	Kenmore, N.Y.
Christopher Irving Malloch, A.B. 1957, Stanford University	Riverside, Calif.
Robert Stockton Martin, B.A. 1952, Middlebury College	Crown Point, N.Y.
Brady Piersol McKaig, B.S. 1957, Notre Dame University	Westfield, N.J.
Martin Francis McKneally, A.B. 1957, Holy Cross College	Newburgh, N.Y.
Donald Casselers McLean, A.B. 1957, Williams College	Wilmington, Del.
Mary Rose Middleton, A.B. 1958, University of Utah	Salt Lake City, Utah
Thomas Herrick Milhorat, B.S. 1957, Cornell University	Pelham Manor, N.Y.

Richard Hobson Morgan, B.S. 1957, Lafayette College	Claymont, Del.
Franco Mario Muggia, B.S. 1957, Yale University	Quito, Ecuador
Peter Stayer New, A.B. 1957, Amherst College	Santa Fe, N.M.
William Lawrence Newmeyer, III, A.B. 1957, Haverford College	Denver, Colo.
Daniel John O'Connell, A.B. 1953, Fordham College	Maywood, N.J.
Ole Anthony Peloso, B.S. 1957, Holy Cross College	Albuquerque, N.M.
Asa Standley Porter, B.S. 1951, M.E. 1952, University of Oklahoma	Oklahoma City, Okla.
Charles Arthur Rodman, II, B.S. 1958, Yale University	Salt Lake City, Utah
Erik Arthur Rosenthal, B.A. 1957, Cornell University	Poughkeepsie, N.Y.
James Walter Ryan, A.B. 1957, Dartmouth College	Amarillo, Texas
Francis James Rybka, A.B. 1957, Brown University	Jamaica, N.Y.
Joseph Terence Sams, A.B. 1957, Harvard College	Middletown, Ohio
Jack Charles Schiebler, B.A. 1957, Cornell University	Niagara Falls, N.Y.
Richard Gregg Sheehan, A.B. 1957, Williams College	Denver, Colo.
Roger David Soloway, B.A. 1957, Cornell University	Valley Stream, N.Y.
James Earl Standefer, A.B. 1957, Harvard College	Des Moines, Iowa
Alson Proctor Taylor, Jr., B.A. 1957, Dartmouth College	Manchester, N.H.
Richard Samuel Weiss, A.B. 1957, Cornell University	Rockville Centre, N.Y.
William Richard Winn, A.B. 1957, Stanford University	Springville, Calif.
Martin Samuel Wolfe, B.A. 1957, Cornell University	Scranton, Pa.
Eric Kurt Zitzmann, B.A. 1957, Cornell University	Ridgewood, N.Y.
Philip Herbert Zweifach, B.S. 1957, City College of New York	Bronx, N.Y.

THIRD YEAR

Donald Walter Abel, A.B. 1959, Dartmouth College	Mineola, N.Y.
A. Mason Ahearn, A.B. 1958, University of Rochester	Westfield, N.J.
John Vanderbeek Banta, A.B. 1958, Wesleyan University	Ridgewood, N.J.
Bryant Barnard, A.B. 1958, Dartmouth College	Montclair, N.J.
Harry Michael Beirne, B.E.E. 1958, Manhattan College	Montclair, N.J.
Blaine Alan Braniff, A.B. 1958, Swarthmore College	Wilmington, Del.
Robert Walter Brennan, A.B. 1958, Cornell University	Staten Is., N.Y.
Frank Howard Brunstetter, B.S. 1953, Cornell University; B.S. 1958, Columbia University	New York, N.Y.
Alfred Sands Buck, A.B. 1958, Haverford College	Brooklyn, N.Y.
Edward Seabury Carmick, Jr., A.B. 1958, Stanford University	Los Altos, Calif.
Peter Guydon Carnesale, M.S. 1958, University of Wisconsin	New York, N.Y.
Kenneth Joseph Cestone, A.B. 1959, Cornell University	Little Falls, N.J.
William Galbraith Chaffee, Jr., A.B. 1955, Princeton University	Oakland, Calif.
John Kipp Charlton, A.B. 1958, Amherst College	Hastings, Nebr.
Joseph David Croft, Jr., A.B. 1958, Princeton University	Evanston, Ill.
Richard Arthur Davidson, B.S. 1958, Queens College	Forest Hills, N.Y.
Edwin Elmer Dean, A.B. 1956, Cornell University	Bryam, Conn.
Walter Casmir Degnan, B.S. 1958, Notre Dame University	Scarsdale, N.Y.
Carl Herbert Dieterle, B.S. 1955, Cornell University	Milwaukee, Wis.
Arthur Victor Edelstein, A.B. 1958, Cornell University	Rochester, N.Y.
Edwin Ettinger, A.B. 1955, Columbia College	Yonkers, N.Y.
Willard Blayne Fessenden, Jr., A.B. 1958, Yale University	Cincinnati, O.
Sidney James Fillmore, B.S. 1959, Utah State University	Phoenix, Arizona
Edward James Fredericks, B.S. 1958, Allegheny College	Oak Ridge, N.J.
Howard Marshall Gilford, A.B. 1958, University of Michigan	Shaker Heights, O.
John Howard Gundy, A.B. 1958, Dartmouth College	Rye, N.Y.
Robert Kenneth Gustafson, A.B. 1953, Claremont Men's College	Pasadena, Calif.
Jack Douglas Halpin, A.B. 1958, Carleton College	Malibu, Calif.
Daphne Kean Hare, A.B. 1958, Barnard College	Houston, Texas
William Cushman Harvey, B.A. 1957, University of Maine	Caribou, Maine
William Russell Hazzard, A.B. 1958, Cornell University	LeMoyne, Pa.
David Lynn Heiges, A.B. 1958, Stanford University	San Francisco, Calif.
Allan Spencer Hild, A.B. 1958, Amherst College	Baldwin, N.Y.
Julian Theodore Hoff, A.B. 1958, Stanford University	Menlo Park, Calif.
C. William Jansing, A.B. 1958, Princeton University	Louisville, Ky.

94 CORNELL MEDICAL COLLEGE

Muriel King, A.B. 1958, Cornell University	Tuckahoe, N.Y.
Stuart Alan Knott, A.B. 1958, Princeton University	New York, N.Y.
Gary Korenman, A.B. 1959, Dartmouth College	Brooklyn, N.Y.
Edward Carl Lauber, Jr., B.S. 1958, Wheaton College	Rockville Center, N.Y.
Garwood Emerson Leckband, B.A. 1957, Carleton College	Arlington Heights, Ill.
Andrew Harrison Littell, Jr., A.B. 1957, New York University	New York, N.Y.
Luther Burton Lowe, Jr., B.S. 1958, Roanoke College	Roanoke, Va.
Robert Appleby MacLean, B.S. 1956, Yale University	New Haven, Conn.
Gerald Lee Mandell, A.B. 1958, Cornell University	New York, N.Y.
Arthur Adolph Manthey, A.B. 1957, Dartmouth College	Islip, N.Y.
George Herbert McCracken, Jr., A.B. 1958, Williams College	Scarsdale, N.Y.
Robert Bruce McFadden, A.B. 1958, Brown University	Mt. Vernon, N.Y.
Warren Bailey Miller, A.B. 1957, Princeton University	New York, N.Y.
Richard Martin Morrison, A.B. 1958, Yale University	Cleveland, O.
Richard Allen Niles, A.B. 1958, Cornell University	Bainbridge, N.Y.
Laurance Beckwith Nilsen, A.B. 1958, Williams College	Delray Beach, Fla.
Dennis Devereaux O'Keefe, A.B. 1958, Wittenberg College	Westerville, O.
George A. Omura, A.B. 1958, Columbia College	New York, N.Y.
S. Kirby Orme, A.B. 1959, University of Utah	Squirrel, Idaho
Joseph Vincent Raziano, A.B. 1958, Cornell University	Brooklyn, N.Y.
Alexander Garden Reeves, Williams College	Tuxedo Park, N.Y.
Rachelle Naomi Remen, B.S., B.A. 1958, Cornell University	Whitestone, N.Y.
John Wincell Riley, III, A.B. 1958, Bowdoin College	New York, N.Y.
Christos Romas, B.S. 1958, Yale University	Endicott, N.Y.
Anthony Fred Saidy, B.S. 1958, Fordham College	Douglaston, N.Y.
Richard Marshall Sallick, A.B. 1958, Harvard University	New York, N.Y.
William Schaffner, II, B.S. 1957, Yale University	Oradell, N.J.
William Tripler Seed, A.B. 1954, Williams College	New York, N.Y.
Richard Craig Severance, A.B. 1958, Cornell University	San Antonio, Texas
Barry David Smith, A.B. 1959, Dartmouth College	Suffern, N.Y.
Thomas Harry Snider, B.S. 1951, Miami University	Akron, Ohio
Richard Perry Stadter, A.B. 1954, Princeton University	Rocky River, Ohio
Paul David Stolley, B.A. 1957, Lafayette College	Pawling, N.Y.
Ronald Alan Stroth, A.B. 1958, Colgate University	Jamestown, N.Y.
William Tennant Stubenbord, A.B. 1958, Yale University	New York, N.Y.
Zebulon Charles Taintor, A.B. 1958, Oberlin College	Port Jefferson St., N.Y.
Dale Leonard Taylor, A.B. 1959, Albion College	Jackson, Mich.
Barry Richard Tharp, Cornell University	Auburn, N.Y.
Nicholas Lechmere Tilney, A.B. 1958, Harvard College	Far Hills, N.J.
Joel Umlas, B.S. 1958, New York University	Bronx, N.Y.
Barth Vander Els, A.B. 1958, University of Rochester	Waldwick, N.J.
Donald Anthony Vichick, A.B. 1958, Cornell University	Euclid, Ohio
John Charles Warburton, B.S. 1958, Georgetown University	Paterson, N.J.
John Morgan Weatherly, A.B. 1957, Hamilton College	East Syracuse, N.Y.
Barbara Ruth Weisinger, A.B. 1958, Cornell University	Brooklyn, N.Y.
Carl Broock Weiss, B.S. 1958, Pennsylvania State University	Brodheadsville, Pa.
Sara Deibert Winter, B.A. 1956, Kansas University	Marysville, Kansas
Paula Rochelle Wolfe, A.B. 1958, Brooklyn College	Brooklyn, N.Y.
Ceciley Youmans, A.B. 1948, Sweet Briar College	Bozman, Md.
Frederic Darwin Zahn, B.S. 1958, Denison University	Solon, Ohio
Michael Grant Zeigler, B.S. 1956, U.S. Military Academy	Fairborn, Ohio
Richard Charles Zug, A.B. 1958, Stanford University	Merced, Calif.

SECOND YEAR

Gerald Alfred Anderson, B.S. 1959, University of Wyoming	Savery, Wyoming
Arthur John Atkinson, Jr., A.B. 1959, Harvard College	Chicago, Ill.
Terrence Joseph Barry, A.B. 1952, Harvard College	Palm Beach, Fla.
James Bruce Bell, A.B. 1959, Allegheny College	Ellwood City, Penna.
Dennis Philip Berk, A.B. 1959, Yale University	Whitefish Bay, Wis.
Paul Abraham Bienstock, A.B. 1959, Harvard College	New York, N.Y.

Herbert Spencer Bloch, A.B. 1959, Amherst College	Canton, N.Y.
George Richard Blumenschein, A.B. 1959, Yale University	Elmhurst, Ill.
Francis Matthew Bohan, B.S. 1959, Manhattan College	New York, N.Y.
William Francis Brereton, Jr., A.B. 1959, Yale University	Harrison, N.Y.
Hollister Peter Brewster, B.S. 1959, Long Island University	Brooklyn, N.Y.
Woodward Burgert, Jr., A.B. 1959, Williams College	Highland Park, Ill.
Charles Worden Carpenter, A.B. 1959, Cornell University	Binghamton, N.Y.
James Joseph Coatsworth, A.B. 1959, Cornell University	Darien, Conn.
Edward Meadors Copeland, III, A.B. 1959, Duke University	McDonough, Ga.
William Joseph Deely, A.B. 1959, Columbia College	New York, N.Y.
Joseph Michael Deignan, Jr., B.S. 1957, Rutgers University	West Orange, N.J.
Carlos Guillermo Garcia de Paredes, A.B. 1959, DePauw University	Canal Zone, Panama
Richard Barry Dicus, A.B. 1959, University of Arizona	Ajo, Ariz.
Franklin George Dill, B.E.E. 1956, Cornell University	Arlington, Va.
Steven Daniel Douglas, A.B. 1959, Cornell University	Jamaica, N.Y.
Richard Hemenway Dyer, Jr., A.B. 1959, Cornell University	Chatham, N.J.
Richard Michael Ehrlich, A.B. 1959, Cornell University	New Rochelle, N.Y.
Joseph Peter Fegen, Jr., B.S. 1959, John Carroll University	Rocky River, Ohio
Thomas Patrick Forde, A.B. 1959, Fordham University	New York, N.Y.
Floyd David Fortuin, A.B. 1959, Amherst College	Ridgewood, N.J.
William Francis Gioiella, A.B. 1958, New York University	Brooklyn, N.Y.
Jonathan Victor Goldstein, A.B. 1959, Cornell University	Rochester, N.Y.
Roscoe Bruce Guy, A.B. 1958, New York University	New York, N.Y.
Lewis Charles Hahn, B.S. 1959, University of Michigan	Queens Village, N.Y.
Robert Anthony Hatcher, A.B. 1959, Williams College	Douglaston, L.I., N.Y.
Everett George Heinze, Jr., A.B. 1959, Cornell University	West Hempstead, N.Y.
Charles Hart Hill, A.B. 1959, Cornell University	Jarrettown, Pa.
King Kennard Holmes, A.B. 1959, Harvard College	Huntington, N.Y.
Jonathan Hughes Horne, University of Utah	Salt Lake City, Utah
Charles Edward Hull, B.S. 1959, Ohio State University	Fremont, Ohio
Marriott Conrad Johnson, Jr., A.B. 1959, Williams College	Woodmere, N.Y.
Louis Robert Jordan, A.B. 1959, Cornell University	Southport, Conn.
Monroe Stuart Karetzky, A.B. 1959, Cornell University	Brooklyn, N.Y.
Alfred Nathaniel Krauss, A.B. 1959, Cornell University	Miami Beach, Fla.
Howard Eric Kulin, A.B. 1959, Harvard College	Worcester, Mass.
Walter Joseph Loehr, B.S. 1959, Manhattan College	Brooklyn, N.Y.
David Bacon Marcotte, B.S. 1958, St. Lawrence University	Bloomfield, N.J.
Arthur Mazyck, A.B. 1959, University of Virginia	Dothan, Ala.
John William McIvor, A.B. 1959, Cornell University	Detroit, Mich.
Philip Bartlett Mead, A.B. 1959, Hamilton College	Delmar, N.Y.
Craig Arnold Mehldau, B.S. 1955, Trinity College	Brooklyn, N.Y.
Elinor Miller, A.B. 1959, Cornell University	Valley Stream, N.Y.
John Philip Morey, A.B. 1959, Rutgers University	Asbury Park, N.J.
Timothy Bovie Moritz, A.B. 1959, Ohio State University	Columbus, Ohio
John Bennett Morrison, St. Lawrence University	Harrison, N.Y.
Theodore Christian Nagel, A.B. 1959, Wesleyan University	Leonia, N.J.
Brian Robson Nagy, A.B. 1959, DePauw University	Warwick, R.I.
Ralph Anthony O'Connell, A.B. 1959, College of the Holy Cross	Larchmont, N.Y.
Richard Dennis O'Toole, A.B. 1956, Williams College	New York, N.Y.
Stephen Csaba Padar, A.B. 1959, Cornell University	Brooktondale, N.Y.
Frank John Paolitto, A.B. 1959, Columbia	New York, N.Y.
Alfred Francis Parisi, A.B. 1959, Georgetown University	Mt. Vernon, N.Y.
Kirk Lowery Peterson, Stanford University	Los Angeles, Calif.
Paul Aaron Redstone, A.B. 1959, Yale University	Woodmere, N.Y.
Richard Mark Robbins, Yale University	Trenton, N.J.
Nola Rosanoff, A.B. 1959, Cornell University	Staten Island, N.Y.
Barton Douglas Schmitt, B.E. 1959, Yale University	Steger, Ill.
Donald Andrew Schmutz, A.B. 1959, Providence College	Stewart Manor, L.I., N.Y.
Steve Scholtz, A.B. 1959, Stanford University	Pasadena, Calif.
Joel Edward Sherlock, B.S. 1959, St. Peter's College	Jersey City, N.J.
Louis Miles Spencer, A.B. 1959, University of California, L.A.	Corona Del Mar, Calif.
Benjamin Barckley Storey, A.B. 1959, University of Kentucky	Lexington, Ky.
Richard George Sucsy, A.B. 1959, Amherst College	Montauk Point, N.Y.

Martin Bennett Taliak, Jr., B.S. 1959, Denison University
 Garrett Rezeau Tucker, III, A.B. 1959, Amherst College
 Edwin Arnold Turner, Jr., B.S. 1959, Wheaton College
 William Smith Tyler, A.B. 1959, Cornell University
 Thomas Rae Vaughan, Jr., B.S. 1959, Yale University
 Donald Elkes Wallens, A.B. 1959, Cornell University
 Robert Louis Wegryn, A.B. 1959, Cornell University
 Kuhrt Wieneke, Jr., A.B. 1959, Williams College
 Joel Edward Winker, A.B. 1959, Westminster College
 Steven Ira Woodrow, A.B. 1959, Columbia College
 Stuart Eugene Wunsh, A.B. 1959, Alfred University

Berea, Ohio
 Houston, Texas
 West Belmar, N.J.
 Groton, N.Y.
 Bronxville, N.Y.
 Buffalo, N.Y.
 Elizabeth, N.J.
 Dorset, Vt.
 Mascoutah, Ill.
 Yonkers, N.Y.
 New York, N.Y.

FIRST YEAR

Jerry Lee Acosta, A.B. 1960, Cornell University
 John Evi Adams, A.B. 1959, Swarthmore College
 Elda Anne Angen, A.B. 1960, Smith College
 James Ernest Bernstein, A.B. 1960, Harvard College
 Jerome Wolf Bettman, Jr., A.B. 1960, Stanford University
 Paxton Cady, A.B. 1952, Harvard College; Ph.D. University of California
 William Lowell Campbell, A.B. 1960, Duke University
 Robert Joseph Capone, A.B. 1960, Columbia College
 David Lawrence Cappiello, A.B. 1960, Harvard College
 Donald Catino, A.B. 1960, Princeton University
 David Nemser Cohen, A.B. 1960, Yale University
 John Milton Coletti, Jr., B.S. 1960, Univ. of Wyoming
 Bernhoff Allen Dahl, B.S. 1960, Wheaton College
 Ira Stephen Davis, A.B. 1960, Cornell University
 Sarah Savilla Deitrick, A.B. 1960, Wellesley College
 Joseph David Dickerman, A.B. 1960, Johns Hopkins University
 Lewis Martin Drusin, B.S. 1960, Union College
 Burton Arthur Dudding II, A.B. 1960, Harvard College
 Bruce Eugen Dunn, A.B. 1960, Providence College
 Nanci-Ames Early, A.B. 1960, Duke University
 Thomas Michael Josef Engelsing, A.B. 1960, Harvard College
 John Theodore English, Jr., B.S. 1960, Williams College
 Karl Eurenus, A.B. 1960, Cornell University
 Gerald David Fischbach, B.A. 1960, Colgate University
 John Nathan Follansbee, B.S. 1957, United States Military Academy
 Hilton Lawrence Fowler, A.B. 1960, Bowdoin College
 Newton Joseph Friedman, A.B. 1960, Cornell University
 Nikolas Golosow, A.B. 1960, Stanford University
 John Joseph Granato, Jr., B.S. 1960, Manhattan College
 Marshall Leslie Grode, B.S. 1960, Cornell University
 Merritt Richard Hait, B.S. 1960, Stanford University
 Philip Mitchell Hatfield, A.B. 1960, Amherst College
 David Milton Heimbach, A.B. 1960, Cornell University
 Frances Jean Judy, A.B. 1960, Carleton College
 Kim Alan Keeley, A.B. 1960, Yale University
 Thomas Barland Keith, A.B. 1960, Amherst College
 Otto Gustav Klein, Jr., B.A. 1960, Stanford University
 Robert Henry Knopp, A.B. 1960, Colgate University
 David John La Gasse, A.B. 1960, Brown University
 Sanfred Larson, A.B. 1960, Washington & Lee University
 Richard Griffin Lennon, B.A. 1960, Hamilton College
 Louis David Levi, B.A. 1960, Harvard College
 Karl George Mangold, B.S. 1959, Notre Dame University
 Victoria Anne Middleton, A.B. 1960, University of Utah
 James McCalmont Miller, A.B. 1960, Hamilton College
 Brian George Miscall, A.B. 1960, Syracuse University

Pueblo, Colo.
 Chapel Hill, N.C.
 Phoenixville, Pa.
 New York, N.Y.
 San Francisco, Calif.
 Berkeley, Calif.
 Parkersburg, W.Va.
 Glen Rock, N.J.
 Auburn, N.Y.
 Bloomfield, N.J.
 West Hartford, Conn.
 Salt Lake City, Utah
 Hackensack, N.J.
 Ithaca, N.Y.
 Bronxville, N.Y.
 New York, N.Y.
 Long Beach, N.Y.
 Parkersburg, W.Va.
 Roosevelt, N.Y.
 Oklahoma City, Okla.
 Berkeley, Calif.
 Irvington, N.J.
 Wilmington, Del.
 New Rochelle, N.Y.
 Elizabethton, Tenn.
 Ellsworth, Me.
 Chicago, Ill.
 South Nyack, N.Y.
 Brooklyn, N.Y.
 Ithaca, N.Y.
 San Jose, Calif.
 Miami, Fla.
 Lakewood, Ohio
 Spokane, Wash.
 Pleasantville, N.Y.
 Marion, Iowa
 Helena, Mont.
 Hamburg, N.Y.
 Bloomfield, N.J.
 Washington, D.C.
 Weehawken, N.J.
 Buffalo, N.Y.
 White Plains, N.Y.
 Salt Lake City, Utah
 Suffield, Conn.
 Forest Hills, N.Y.

Kenneth Eugene Mott, Purdue University	Lafayette, Ind.
Dennis Sophian O'Leary, A.B. 1960, Harvard College	Mission, Kans.
Lawrence William Raymond, B.C.E. 1956, Manhattan College; M.S. 1957, Harvard College	Albany, N.Y.
Robert Hamilton Reid, A.B. 1960, Dartmouth College	Radnor, Pa.
John Loudon Reid, A.B. 1960, Northwestern University	Pittsburgh, Pa.
Byron William Riegel, B.S. 1960, Stanford University	Evanston, Ill.
Joseph Elliott Ringland, A.B. 1960, Washington & Lee University	Irvington-on-Hudson, N.Y.
William Herbert Robischon, B.S. 1960, Manhattan College	Newburgh, N.Y.
Michael Freeman Rodi, B.A. 1960, Pomona College	San Marino, Calif.
Clifford Calvin Roltsch, A.B. 1957, Princeton University	Ramsey, N.J.
Stephen Addison Ross, A.B. 1960, Williams College	Neptune City, Avon P.O., N.J.
Jack Sherman Rounds, Jr., A.B. 1960, Pomona College	Los Angeles, Calif.
Richard Ronald Sabo, B.S. 1961, University of Notre Dame	Bozeman, Montana
Mehrdad Vakili Sanandaji, A.B. 1960, Harvard College	Tehran, Iran
Robert Miles Schmidt, B.S. 1960, Yale University	Milwaukee, Wis.
Robert D. Schrock, Jr., A.B. 1960, Princeton University	Omaha, Neb.
Michael Norman Schwartz, A.B. 1960, Columbia University	Brooklyn, N.Y.
Richard Alan Schwartz, A.B. 1960, Cornell University	Shaker Heights, Ohio
Frederick William Schweizer, B.A. 1960, Williams College	Elizabeth, N.J.
Gino Victor Segre, A.B. 1960, Princeton University	Forest Hills, N.Y.
John Robert Sellman, A.B. 1960, Pomona College	Los Angeles, Calif.
Philip Burton Serlin, A.B. 1960, Dartmouth College	Bridgeport, Conn.
Thomas Charles Shope, A.B. 1960, State Univ. of Iowa	Kingston, N.J.
Barton Lowell Smith, B.S. 1960, Albright College	Reading, Pa.
Jerry LePow Spivak, A.B. 1960, Princeton University	Detroit, Mich.
Charles Robb Steinberg, A.B. 1960, Brown University	Yonkers, N.Y.
Gilbert Carl Thelen, Jr., B.A. 1960, Duke University	Milwaukee, Wis.
Jane Boyden Thomson, A.B. 1960, Cornell University	Buffalo, N.Y.
Peter Dickson Tyler, A.B. 1960, Cornell University	South Hadley, Mass.
John David Van Der Decker, A.B. 1959, Houghton College	Caldwell, N.J.
Theodore Van Putten, A.B. 1960, Rutgers University	South Orange, N.J.
Gary I. Wadler, B.S. 1960, Brooklyn College	Brooklyn, N.Y.
Winthrop Peabody Wilcox, A.B. 1960, Bucknell University	Chevy Chase, Md.
George Frederick Will, Jr., A.B. Amherst College	Garden City, N.J.
John Derrick Wilsey, B.S. 1960, Davidson College	Winston Salem, N.C.
John Robert Wilson, A.B. 1960, Cornell University	Garden City, N.Y.
Robert Lee Wilson, B.S. 1960, Tufts University	Burlington, Vt.
John Leverett Ziegler, A.B. 1960, Amherst College	Wilton, Conn.

SUMMARY

Fourth year	76
Third year	87
Second year	81
First year	84
Total	328

REGISTER OF THE MEDICAL COLLEGE AND SLOAN-KETTERING STAFFS

Abel, Henrietta E.	Medicine	54
Abrahams, Irving	Microbiology & Immunology	57
Adair, John J.	Pub. Health & Pre- Med.	69
Adams, Harold B.	Pediatrics	63
Adelson, Edward T.	Psychiatry	67
Advocate, Seymour	Medicine	52
Alden, John C.	Surgery	74
Alden, Peter D.	Medicine	54
Almy, Thomas P.	Medicine	50
Anderson, Arthur A.	Psychiatry	67
Anderson, Arthur F.	Pediatrics	62
Anderson, William	Pub. Health & Prev. Med.	69
Angus, George A. W.	Psychiatry	67
Antoville, Anthony A.	Medicine	52
Applebaum, Jacob	Surgery	73
Archibald, Kenneth C.	Medicine	51
Arditi, Lucian I.	Medicine	52
Arky, Ronald A.	Medicine	53
Armistead, George C.	Medicine	52
Armstrong, Donald	Medicine	52
Armstrong, Roderick A.	Psychiatry	67
Aroskar, Janardan P.	Biochemistry	49
Artusio, Joseph F., Jr.	Surgery; Obstetrics & Gynecology	72; 58
Asch, Thane	Anatomy; Radiology	47; 71
Ashe, Barbara S.	Pediatrics	63
Ashman, Stuart	Psychiatry	67
Askari, Amir	Pharmacology	65
Atkinson, Sam C.	Medicine	51
Austin, William H.	Medicine	52
Austlid, Olav	Medicine	52
Axelrod, D. Robert	Physiology	65
Ayres, Stephen M.	Medicine	54
Bader, Genevieve	Sloan-Kettering (Prev. Med.)	88
Baekeland, Frederick	Psychiatry	67
Baer, Ralph A.	Medicine	54
Bailey, Charles A.	Medicine	52
Bajek, Arnold J.	Radiology	71
Baker, Edward P.	Surgery	74
Baker, Ralph D.	Psychiatry	67

Baldwin, Horace S.	Medicine	52
Baldwin, John N.	Medicine	54
Balensweig, Irvin	Surgery (Orthopedics)	73
Balis, M. Earl	Sloan-Kettering (Biochemistry)	86
Ball, Thomas L.	Obstetrics & Gynecology	58
Baras, Irving	Surgery	73
Barber, Hugh R. K.	Obstetrics & Gynecology	58
Barclay, Ralph K.	Sloan-Kettering (Biology)	86
Barker, Lewellys F., III	Medicine	54
Barnes, Lloyd T.	Medicine	52
Barnes, William A.	Surgery	72
Barondess, Jeremiah A.	Medicine	51
Barr, David P.	Medicine (Emeritus)	5
Barr, Nathaniel F.	Sloan-Kettering (Biophysics)	87
Barr, Rosalie M.	Psychiatry	67
Bartone, Francis F.	Surgery	74
Basile, Naef K.	Obstetrics & Gynecology	58
Bass, Richard R.	Pediatrics	63
Bates, Barbara	Medicine	52
Bauer, Charles H.	Pediatrics	63
Baumgartner, Leona	Pub. Health & Prev. Med.; Pediatrics ..	62; 69
Bawa, Sukhdev R.	Anatomy	47
Baxter, James E.	Psychiatry	67
Baylor, Curtis H.	Medicine	51
Beal, John M.	Surgery	72
Beaver, William C.	Pharmacology	65
Becker, David V.	Medicine; Radiology	51; 71
Becker, E. Lovell	Medicine	51
Behrman, Stanley J.	Surgery	73
Beil, Arthur R., Jr.	Surgery	74
Beiles, Carl M.	Surgery	74
Beirne, John J.	Surgery	74
Belcher, Anne M.	Surgery	73
Bell, Bertrand M.	Medicine	53
Bellville, John W.	Surgery	74
Bendich, Aaron	Sloan-Kettering (Biochemistry)	86
Beneventi, Francis A.	Surgery	73
Benjamin, Bry	Medicine	52
Bennett, Boyce P.	Pathology	61
Benua, Richard S.	Medicine	51
Berenberg, Samuel R.	Pub. Health & Prev. Med.; Pediatrics ..	63; 69
Berg, John W.	Sloan-Kettering (Pathology)	88
Berkeley, Ruth P.	Medicine	52
Berle, Beatrice B.	Medicine; Pub. Health & Pre. Med. ..	53; 69
Berler, David K.	Surgery	74
Berman, Edel	Pharmacology	65
Bernsten, Carl A., Jr.	Medicine	52
Berrett, Arnold	Radiology	71
Berson, Burton L.	Surgery	74
Biel, Leonard, Jr.	Surgery	73

Billo, Otto E.	Pediatrics	63
Bippart, Charles H.	Obstetrics & Gynecology	58
Birch, Ann McA	Pediatrics	63
Birnbaum, Stanley J.	Obstetrics & Gynecology	58
Bodansky, Oscar	Sloan-Kettering (Biochemistry)	86
Boden, Richard E.	Surgery	74
Böhme, Diethelm	Pathology	61
Bonsnes, Roy W.	Biochemistry; Obs. & Gyn.	49; 58
Booher, Robert J.	Surgery	74
Boris, Marvin	Pediatrics	63
Bortin, Aaron W.	Medicine	52
Bosniak, Morton	Radiology	71
Bowden, Lemuel	Surgery	75
Boyan, Paul	Surgery	75
Boynton, Perry S., Jr.	Obstetrics & Gynecology	58
Bradlow, H. Leon	Sloan-Kettering (Biochemistry)	86
Brasel, Jo Anne	Pediatrics	63
Brasfield, Richard J.	Surgery	75
Braunstein, Paul W.	Surgery	73
Braveman, Warren S.	Medicine	52
Brayton, Robert G.	Medicine	54
Breed, Charles N., Jr.	Surgery	75
Breimer, Charles W.	Radiology	71
Breslow, Esther	Biochemistry	49
Brethwaite, Samuel H., Jr.	Medicine	53
Brice, Mitchell	Surgery	73
Bricker, Donald L.	Surgery	74
Brockunier, Alfred, Jr.	Obstetrics & Gynecology	58
Brodman, Keeve	Medicine	51
Bronstein, Eugene L.	Radiology	71
Brooks, Dana C.	Anatomy	47
Broome, John D.	Pathology	61
Brown, George B.	Sloan-Kettering (Biochemistry)	86
Brown, Harrison O.	Medicine	53
Brown, John L.	Medicine	54
Brown, Sherburne	Pediatrics	63
Brunschwig, Alexander	Surgery	74
Brush, A. Louise	Psychiatry	67
Buchanan, J. Robert	Medicine	53
Buchanan, Mary C.	Pediatrics	63
Buchman, Myron I.	Obstetrics & Gynecology	58
Burbank, Bernerd H.	Medicine	52
Burchenal, Joseph H.	Medicine	50
Burkhardt, Edward A.	Medicine	53
Burkholder, Peter M.	Pathology	61
Burnett, Adaleen E.	Psychiatry	67
Burnett, Harry W.	Radiology	71
Burrell, Craig D.	Medicine; Psychiatry	51; 67
Burstein, Charles	Surgery	73
Butler, Katharine	Medicine	51

Byck, Walter	Radiology	71
Cade, J. Robert	Medicine	53
Cahan, William G.	Surgery	75
Cahow, C. Elton, Jr.	Surgery	74
Callahan, Justin T.	Obstetrics & Gynecology	58
Cameron, Donald J.	Medicine	53
Camp, Walter A.	Medicine	54
Campbell, Rolla D., Jr.	Surgery	73
Campbell, Wallace G.	Pathology	61
Cappuccino, James G.	Sloan-Kettering (Biology)	87
Cardullo, June M.	Pediatrics	63
Carey, Thomas I.	Surgery	73
Carlson, Arthur S.	Pathology	61
Carlson, Eric T.	Psychiatry	67
Carmichael, D. Erskine	Obstetrics & Gynecology	59
Carpenter, Walter T., Jr.	Pediatrics	63
Carr, Henry A.	Medicine	51
Carver, Susan T.	Medicine	52
Cash, William D.	Biochemistry	49
Cassell, Eric	Pub. Health & Prev. Med.	69
Caterinichehio, Benedict S.	Pediatrics	63
Catlin, Daniel	Surgery	75
Cattell, McKeen	Pharmacology (Emeritus)	5
Cavalieri, Liebe F.	Sloan-Kettering (Biochemistry)	86
Cecil, Russell L.	Medicine (Emeritus)	5
Cerruli, Remo	Psychiatry	67
Chapman, George B.	Anatomy	47
Charash, Leon I.	Pediatrics	63
Chaves, Aaron D.	Pub. Health & Prev. Med.; Medicine	51; 69
Chiat, Harold	Radiology	71
Choy, Chung Hun	Pediatrics	63
Christenson, William N.	Medicine	51
Chu, Florence Chien-Hwa	Radiology	71
Chu, Foo	Medicine	53
Chynn, Kuo York	Radiology	71
Cipollaro, Anthony C.	Medicine (Dermatology)	50
Claremont, Hugh E.	Medicine	53
Clark, Donald G. C.	Surgery	75
Clarke, Donald A.	Sloan-Kettering (Biology)	86
Clarke, Robert L.	Surgery	73
Clarkson, Bayard D.	Medicine	53
Cleeland, Roy, Jr.	Microbiology & Immunology	57
Clifton, Eugene E.	Surgery	72
Coats, Edward C.	Surgery	73
Cobb, John R.	Surgery (Orthopedics)	72
Cobb, Katharine	Pediatrics	63
Cohen, Burton D.	Medicine	53
Cohen, Eugene J.	Medicine	51
Cole, John T.	Obstetrics & Gynecology	58
Collier, Robert L.	Medicine	54

Collins, Harvey S.	Medicine	51
Conn, Julius, Jr.	Surgery	74
Connolly, C. Stephen	Medicine	54
Constantine, Elizabeth F.	Surgery	73
Conway, Herbert	Surgery	72
Cook, Christopher J.	Obstetrics & Gynecology	59
Cook, Thomas W.	Obstetrics & Gynecology	59
Cooper, William	Surgery (Orthopedics)	72
Cooper, William A.	Surgery	72
Corey, Karin R.	Sloan-Kettering (Biophysics)	87
Cormia, Frank E.	Medicine (Dermatology)	50
Cornell, Carlton M.	Surgery	73
Cornell, George N.	Surgery	73
Cornell, Nelson W.	Surgery	72
Cox, Denton S.	Medicine	53
Craig, Robert L.	Obstetrics & Gynecology	58
Cramer, Jean Abel	Medicine	53
Craver, Lloyd F.	Medicine (Emeritus)	5
Crawford, David B., Jr.	Obstetrics & Gynecology	58
Crissey, Eleanor	Psychiatry	67
Cudmore, Ruth	Pediatrics	63
Cummins, F. Mitchell	Radiology	71
Dain, Norman	Psychiatry	67
Dalessio, Donald J.	Medicine	53
Dalldorf, Frederick G.	Pathology	88
Dalton, A. J.	Sloan-Kettering (Biology)	86
Daniel, William W.	Surgery	75
Daniells, Helen E.	Psychiatry	67
Dann, Margaret	Pediatrics	62
Dargeon, Harold W. K.	Pediatrics	62
Davis, Jeff	Medicine	53
Davis, Marion	Medicine	53
Davis, E. William	Obstetrics & Gynecology	58
Day, Emerson	Sloan-Kettering (Prev. Med.)	88
de Alvarado, Lois	Psychiatry	67
Deans, Robert D.	Surgery	74
Deddish, Michael R.	Surgery	74
de Gara, Paul F.	Pediatrics	62
Deitrick, John E.	Medicine	4; 50
Deitzler, Margaret M.	Surgery	74
Delano, John W.	Psychiatry	67
DeMayo, Alan P.	Pediatrics	63
Denker, Peter G.	Medicine (Neurology)	51
Dennen, Edward H.	Obstetrics & Gynecology	58
Denning, George S., Jr.	Biochemistry	49
Denues, A. R. T.	Sloan-Kettering (Biology)	87
Des Prez, Roger M.	Medicine	53
Diamond, Henry D.	Medicine	50
Diamond, Monroe T.	Medicine	53
Diehl, Carolyn H.	Medicine	53

Diethelm, Arnold G.	Surgery	74
Diethelm, Oskar	Psychiatry	66
Dietzel, Herbert A.	Obstetrics & Gynecology	59
DiLeo, Joseph H.	Pediatrics	63
Di Lorenzo, James D.	Surgery	75
Dillon, Thomas F.	Obstetrics & Gynecology	58
Dineen, Joseph P.	Surgery	74
Dineen, Peter	Surgery	72
Dooley, Samuel W.	Pediatrics	63
Dougherty, John W.	Medicine	51
Douglas, R. Gordon	Obstetrics & Gynecology; Medicine ...	54; 58
Doyle, John M.	Pediatrics	63
Doyle, Thomas L., Jr.	Psychiatry	67
Draper, John W.	Surgery (Urology)	72
Dressler, Margaret	Pub. Health & Prev. Med.	69
Drew, J. Edwin	Surgery	73
DuBois, Robert O.	Pediatrics	63
Duchesneau, Paul M.	Radiology	71
Duley, Wade	Surgery	74
Dunaif, Charles B.	Surgery	74
Dunbar, Howard S.	Surgery	73
Dunkell, Samuel V.	Psychiatry	67
Dunlap, Edward A., III	Surgery (Ophthalmology)	72
Dunning, Henry S.	Medicine (Neurology)	50
du Vigneaud, Vincent	Biochemistry	49
Dworetzky, Murray	Medicine; Pub. Health & Prev. Med. ...	51; 69
Eaton, David A.	Surgery	74
Eberhard, Ursula Muller	Pediatrics	63
Eckardt, Lisgar B.	Medicine	53
Eckardt, Robert E.	Medicine	53
Eckel, John H.	Surgery	72
Ecker, Roger R.	Surgery	74
Edelman, P. Michael	Medicine	54
Edwards, Dayton J.	Physiology (Emeritus)	5
Egan, George F.	Surgery	72
Eggleston, Cary	Medicine (Emeritus)	5
Ehlers, Kathryn H.	Pediatrics	63
Ehrlich, George E.	Medicine	53
Eichenwald, Heinz F.	Pediatrics	62
Eisenberg, Marvis	Radiology	71
Eisenmenger, William J.	Medicine	51
Ellis, John T.	Pathology; Surgery	61; 72
Ellison, Rose-Ruth	Medicine	51
Engle, Mary Allen	Pediatrics	63
Engle, Ralph L., Jr.	Medicine	50
Epp, Edward R.	Sloan-Kettering (Biophysics)	87
Epstein, Nathan	Pediatrics	63
Erdman, Albert J., Jr.	Medicine	54
Erlandson, Marion E.	Pediatrics	63
Erlanger, Herbert L.	Surgery	74

Esakof, Ernest R.	Medicine	53
Escher, George C.	Medicine	54
Eskes, Philip W. H.	Pediatrics	64
Evans, John A.	Radiology	71
Evans, John W.	Medicine	54
Ewing, James H.	Pub. Health & Prev. Med.	69
Falk, Emil A.	Medicine	53
Farmer, Lawrence	Medicine	53
Farr, Hollon W.	Surgery	75
Farrar, John T.	Medicine	51
Farrow, Joseph H.	Surgery	74
Feder, Aaron	Medicine	50
Fellows, Robert E.	Medicine	54
Ferguson, G. Renee	Psychiatry	67
Ferry, Andrew P.	Surgery	74
Fiedler, George A.	Surgery (Urology)	73
Filippone, Ames	Surgery	74
Finby, Nathaniel	Radiology	71
Finkbeiner, John A.	Medicine	51
Finkelstein, Jordan W.	Pediatrics	64
Finkenstaedt, John T.	Anatomy	47
Finkle, Theodore H.	Psychiatry	67
Finn, William F.	Obstetrics & Gynecology	58
Fischer, Mitzie Canessa	Physiology	66
Fishman, Jack	Sloan-Kettering (Biochemistry)	86
Fitch, Naomi	Anatomy	47
Flach, Frederic F.	Psychiatry	67
Fleetwood, M. Freile	Psychiatry	67
Fleischmann, Edgar P.	Surgery	74
Flynn, John T.	Medicine	53
Focht, Elizabeth F.	Radiology (Physics)	71
Fodor, Paul J.	Sloan-Kettering (Biochemistry)	86
Foley, William T.	Medicine	50
Foote, Frank W., Jr.	Sloan-Kettering (Pathology)	87
Forkner, Claude E.	Medicine	50
Forkner, Claude E., Jr.	Medicine	54
Fortner, Joseph	Surgery	75
Fountain, Gerard	Psychiatry	67
Fox, Jack J.	Sloan-Kettering (Biochemistry)	86
Fracchia, Alfred A.	Surgery	75
Francis, Kenneth C.	Surgery	75
Frank, John A.	Psychiatry	67
Franklin, John E.	Pediatrics	63
Fraser, Alan W.	Psychiatry	67
Fraumeni, Joseph, Jr.	Medicine	54
Frazell, Edgar L.	Surgery	74
Frederick, William C.	Surgery	74
Freiberger, Robert H.	Radiology	71
Freiman, Alvin H.	Medicine	51
Frey, Charles F.	Surgery	74

Freyberg, Richard H.	Medicine	50
Friend, Charlotte	Sloan-Kettering (Biology)	87
Friess, Constance	Medicine	51
Frimpter, George L.	Medicine	53
Fukushima, David K.	Sloan-Kettering (Biochemistry)	86
Fuller, Frederick W.	Surgery	74
Furth, Eugene D.	Medicine	53
Gabel, Milton	Surgery	74
Gagnon, Pierre P.	Surgery	74
Galín, Miles A.	Surgery	74
Gallagher, Thomas F.	Sloan-Kettering (Biochemistry)	86
Gandy, Hortense M.	Medicine	53
Garrett, Ross	Sloan-Kettering (Biology)	87
Gaughan, Edmund	Pharmacology	65
Gause, Ralph W.	Obstetrics & Gynecology	58
Geller, William	Medicine	51
Genvert, Harold	Surgery	73
Geohegan, William A.	Anatomy	47
Gepfert, Randolph	Obstetrics & Gynecology	58
Gerold, Frank R.	Surgery	75
Gersh, Marvin J.	Pediatrics	63
Gershon, Michael D.	Anatomy	47
Gerson, Martin J.	Psychiatry	67
Giannelli, Stanley, Jr.	Medicine	53
Giebisch, Gerhard	Physiology	65
Gilder, Helena	Biochemistry; Surgery	49; 73
Gillette, Ronald W.	Surgery	74
Gilroy, Francis J.	Medicine	53
Ginn, H. Earl	Medicine	53
Ginsburg, Selig M.	Medicine	53
Giorgi, Elsie A.	Medicine	51
Gittler, Robert D.	Medicine	53
Given, William P.	Obstetrics & Gynecology	58
Glabman, Sheldon	Physiology	66
Glassman, Oscar	Obstetrics & Gynecology	58
Glenn, Frank	Surgery	72
Globus, David L.	Medicine	54
Glynn, Martin J.	Pediatrics	63
Goebel, David	Medicine	53
Goff, Byron H.	Obstetrics & Gynecology (Emeritus)	5
Golbey, Robert B.	Medicine	53
Gold, Harry	Pharmacology	64
Goldberg, Henry P.	Pediatrics	63
Goldman, Harold	Pediatrics	71
Goldstein, Leo S.	Medicine	53
Goldstein, Oscar E.	Medicine	53
Goldstein, Sidney	Medicine	54
Golfinos, Argyrios J.	Pharmacology	65
Golubow, Julius	Biochemistry	49
Goodell, Helen	Medicine	53

Goodner, John T.	Surgery	75
Goodrich, Charles H.	Medicine	51
Goodyear, Stephen	Psychiatry	67
Gordon, Dan M.	Surgery (Ophthalmology)	73
Goss, Mary E. W.	Medicine	53
Gouliau, Dicran, Jr.	Surgery	74
Grabstald, Harry	Surgery	74
Grafe, William R.	Surgery	74
Gray, Gary M.	Medicine	54
Greeley, Arthur V.	Obstetrics & Gynecology	58
Green, James L.	Surgery	74
Green, Richard S.	Psychiatry	67
Greenacre, Phyllis	Psychiatry	66
Greenberg, Sidney M.	Medicine	50
Greif, Roger L.	Physiology	65
Grimm, Elaine	Obstetrics & Gynecology	59
Groch, Sigmund N.	Medicine	51
Groeschel, August H.	Pub. Health & Prev. Med.	69
Grossi, Margaret T.	Pediatrics	63
Guay, Raymond-Marie	Surgery	74
Guenard, Eugene J.	Surgery	74
Guida, Peter M.	Surgery	74
Guion, Connie M.	Medicine (Emeritus)	5
Guthrie, Keith O., Jr.	Medicine	53
Guthrie, Thomas C.	Medicine	51
Hadley, Susan J.	Medicine	51
Hagamen, Wilbur D.	Anatomy	47
Hagstrom, Jack W. C.	Pathology	61
Hall, Theodore	Sloan-Kettering (Biophysics)	87
Halpern, Mordecai	Radiology	71
Halsey, Hugh, II	Obstetrics & Gynecology	58
Hamilton, Charles K.	Surgery	74
Hamilton, Francis J.	Psychiatry	66
Hamilton, Leonard D.	Sloan-Kettering (Biology)	87
Hanley, Marshall J.	Medicine	53
Hanlon, Lawrence W.	Associate Dean	4
Hanson, Maury L.	Surgery	74
Haralambie, James Q.	Pediatrics	63
Harding, John S.	Psychiatry	67
Harrar, James A.	Obstetrics & Gynecology (Emeritus)	5
Harrington, Helen	Pediatrics (Emeritus)	5
Harris, George S.	Pediatrics	63
Harris, John J.	Sloan-Kettering (Biology)	87
Harris, Stanley L.	Surgery	74
Harrold, Charles C., Jr.	Surgery	75
Hartman, Allen P.	Pediatrics	64
Hatterer, Lawrence J.	Psychiatry	67
Hauser, Edwin T.	Medicine	50
Hauser, Louis A.	Medicine	53
Hausman, Louis	Medicine (Neurology) (Emeritus)	5

Hawks, Graham G.	Obstetrics & Gynecology	58
Hayes, John H.	Surgery	74
Haymovits, Asher	Medicine	53
Hayt, David	Radiology	71
Heimer, Ralph	Medicine	53
Heimoff, Leonard L.	Medicine	53
Heintzen, Bruce	Surgery	74
Hellman, Leon D.	Medicine	50
Helpern, Herman G.	Medicine	53
Helpern, Milton	Medicine; Pathology	57; 61
Hempling, Harold	Physiology	65
Henske, Ulrich K.	Radiology	71
Herbert, Philip S.	Psychiatry	67
Hersh, Alexander	Surgery	73
Hertz, Ralph E. L.	Surgery	75
Hierholzer, Klaus H.	Physiology	66
Higinbotham, Norman L.	Surgery	75
Hilgartner, Maragaret W.	Pediatrics	63
Hill, Cary S., Jr.	Medicine	54
Hinkle, Lawrence E., Jr.	Medicine; Psychiatry	50; 66
Hinsey, Joseph C.	Director; Anatomy	47
Hirsch, Charles H.	Obstetrics & Gynecology	59
Hobby, Gladys L.	Pub. Health & Prev. Med.	69
Hobson, Lawrence B.	Medicine	53
Hochstein, Elliot	Medicine	50
Hofer, Myron A.	Medicine	53
Hoffman, Charles	Obstetrics & Gynecology	59
Hoffman, Ingeborg	Pediatrics	63
Hollander, Alvin	Microbiology & Immunology	57
Holleb, Arthur I.	Surgery	75
Holman, Cranston W.	Surgery	72
Holman, James M.	Surgery	73
Holswade, George R.	Surgery	72
Hook, Edward W., Jr.	Medicine	50
Hope, Derek B.	Biochemistry	49
Hopper, Mary Ellen	Medicine	53
Horger, Eugene L.	Medicine	52
Horsfall, Frank L.	Medicine	50
Horwith, Melvin	Medicine	50
Hoskins, Donald W.	Medicine	53
Houde, Raymond W.	Medicine	52
Howe, Suzanne A. L.	Surgery	75
Howland, William	Surgery	74
Huebner, Robert D.	Medicine	53
Humphreys, Gustavus A.	Surgery (Urology)	73
Hughes, Charles C.	Psychiatry	67
Hughes, Jane M.	Psychiatry	67
Hunt, Frederick C.	Pediatrics	63
Huston, Ann	Surgery	74
Hutchison, Dorris J.	Sloan-Kettering (Biology)	87

Hutner, Arthur I.	Radiology	71
Ingram, William T.	Pub. Health & Prev. Med.	69
Isaacs, Norman J.	Medicine	53
Ito, Tomiko	Pediatrics	63
Jacobs, Rita G.	Surgery	75
Jacobsen, Leif Y.	Medicine	53
Jacobson, Abraham S.	Medicine	52
Jacobson, Edmund, Jr.	Medicine	53
Jacquez, John A.	Sloan-Kettering (Biology)	87
Janulis, Peter T.	Psychiatry	67
Jarvis, Derek	Biochemistry	49
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Associate Professors	132
Assistant Professors	250
Instructors, Assistants, etc.	627
Total	1068

SUMMARY OF SLOAN-KETTERING DIVISION STAFF

Full Professors	10
Associate Professors	20
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Total	62

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